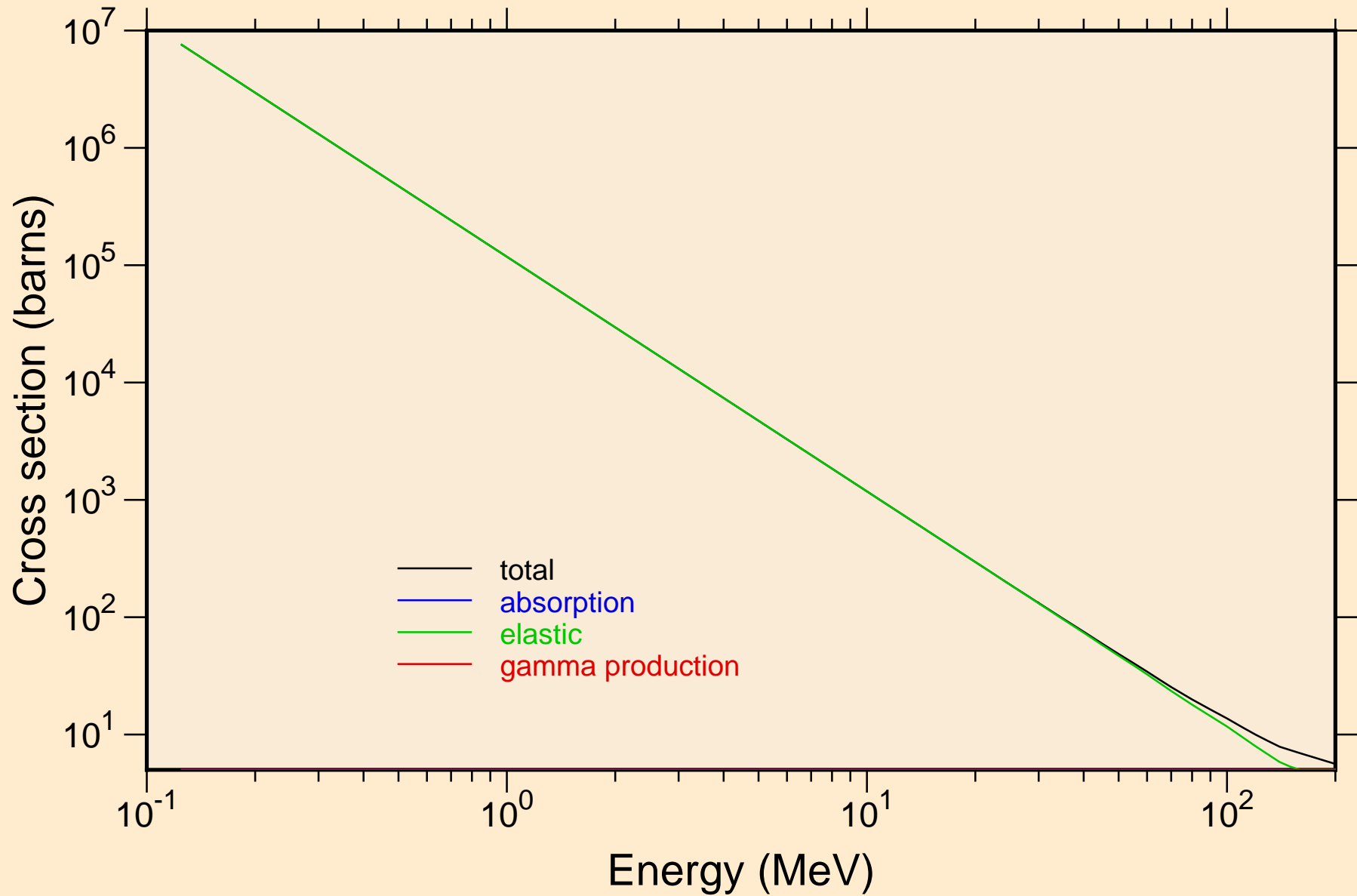


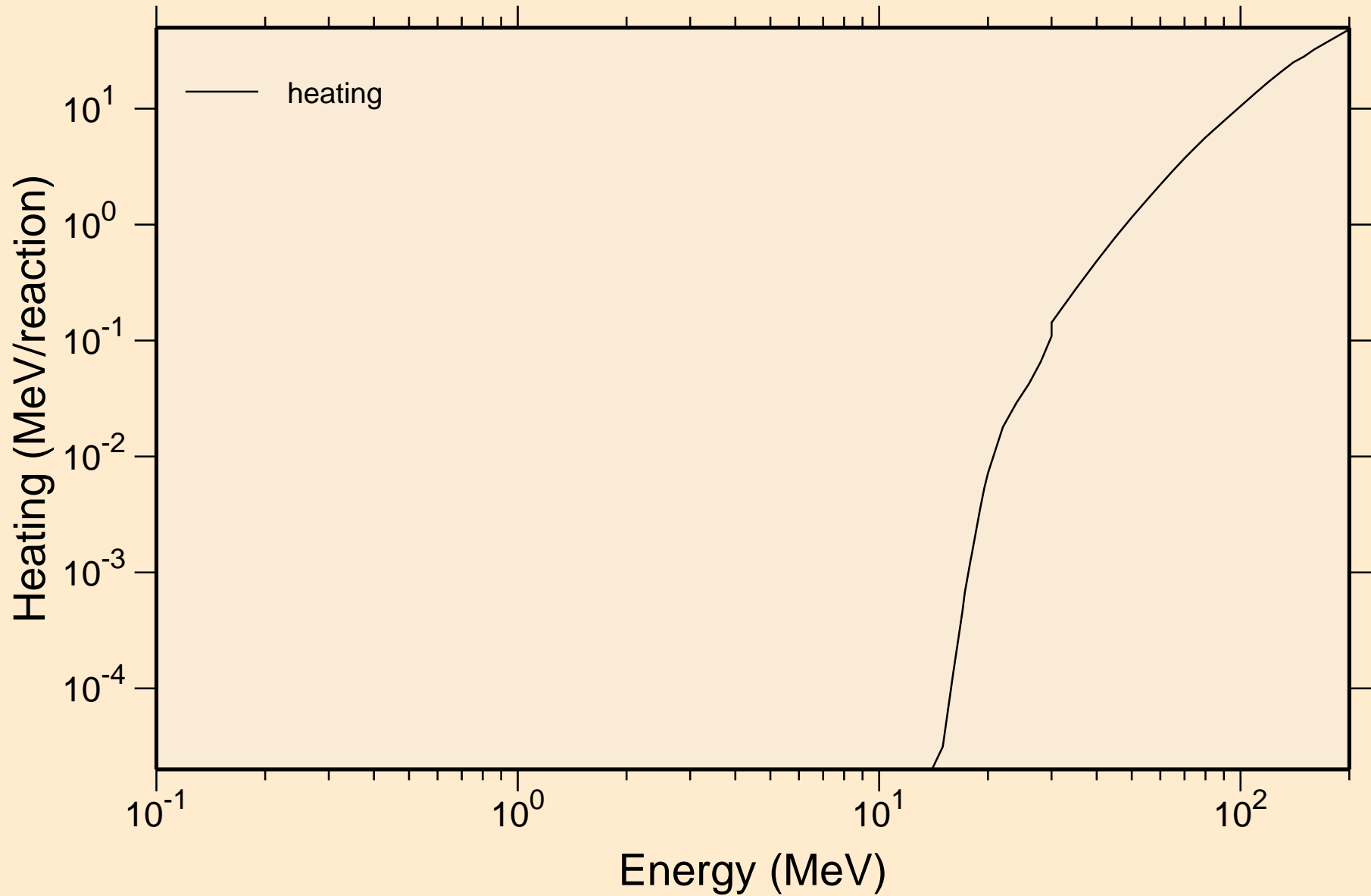
# ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



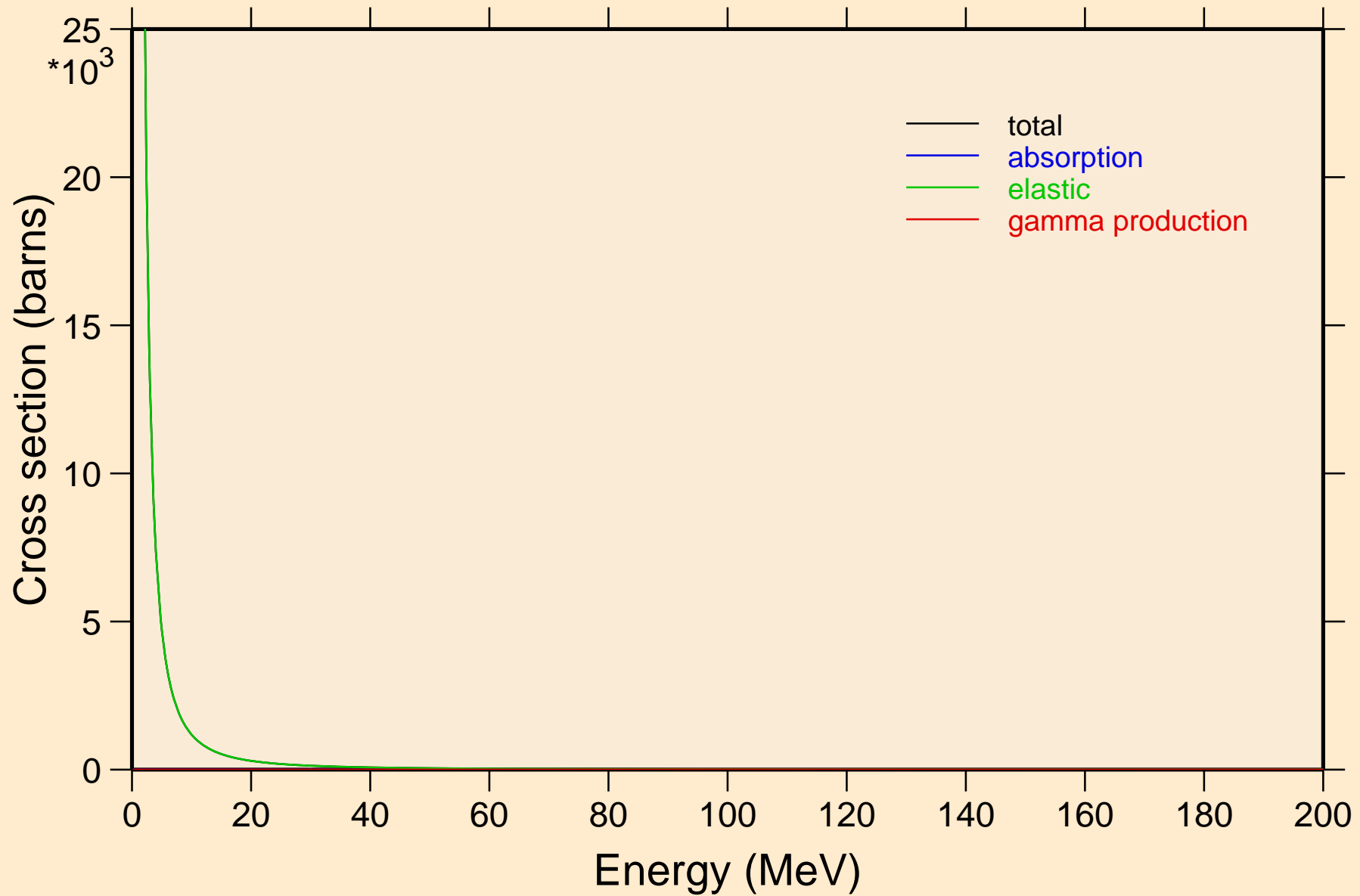
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



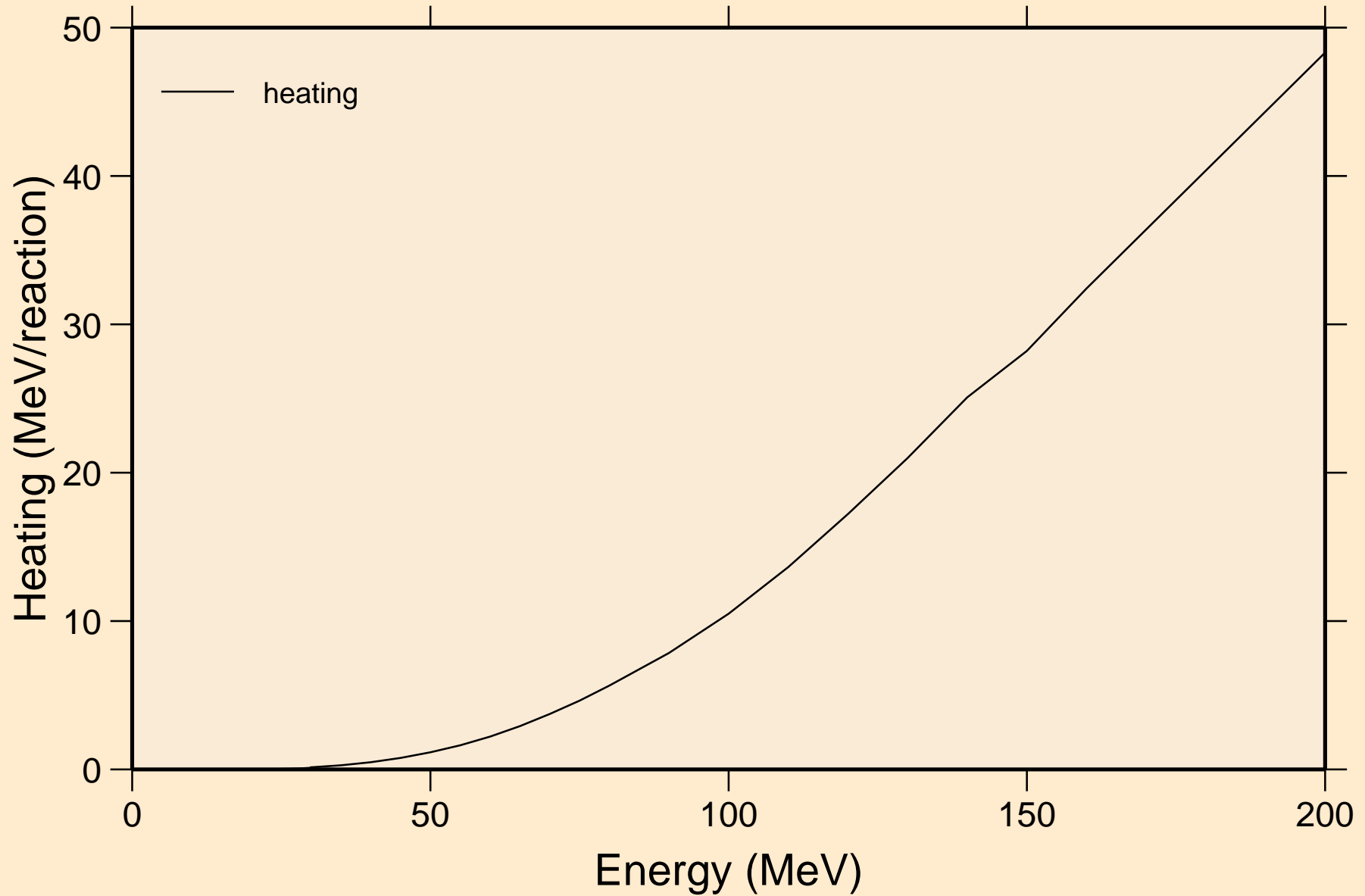
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## Principal cross sections

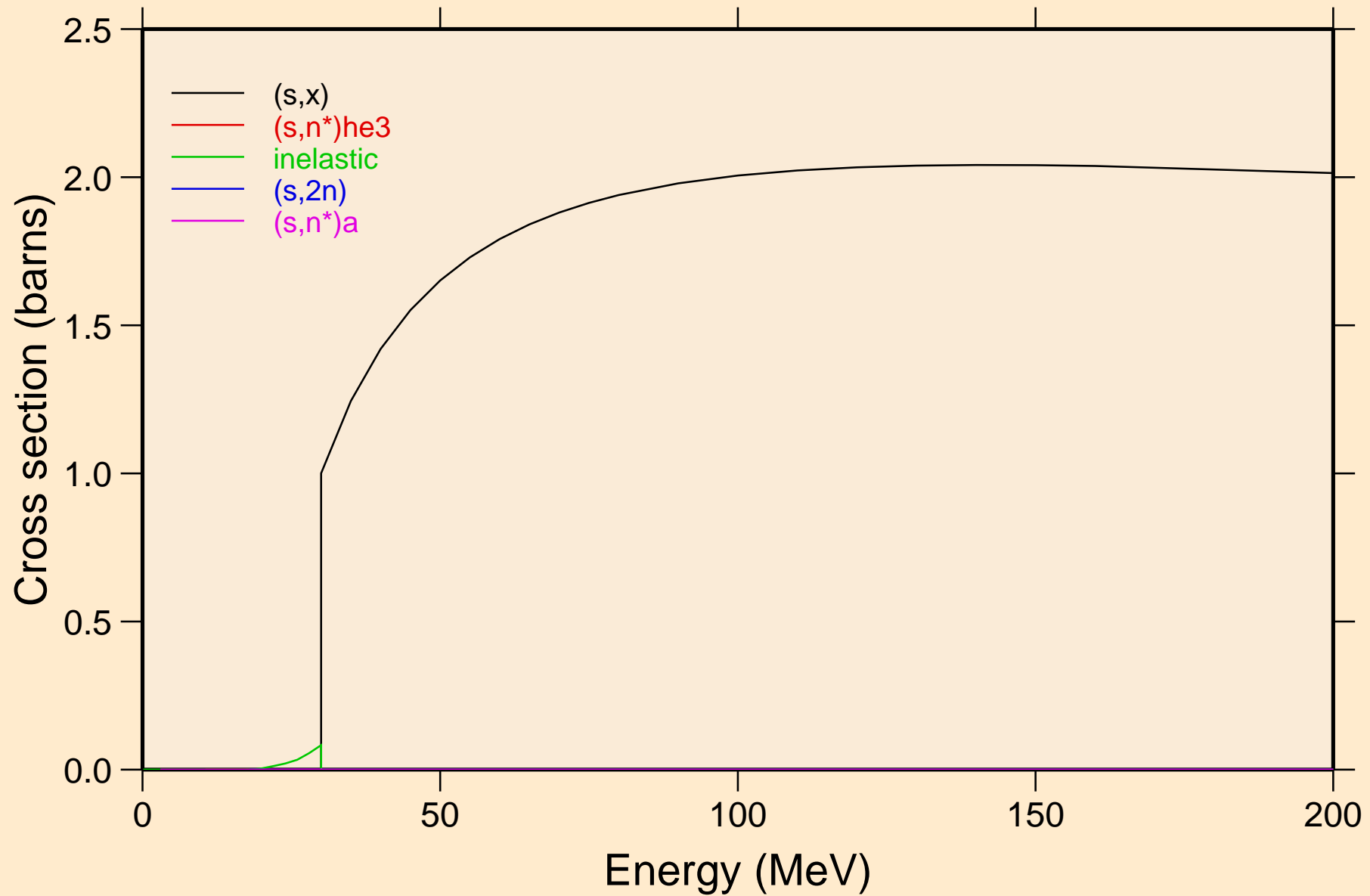


ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K

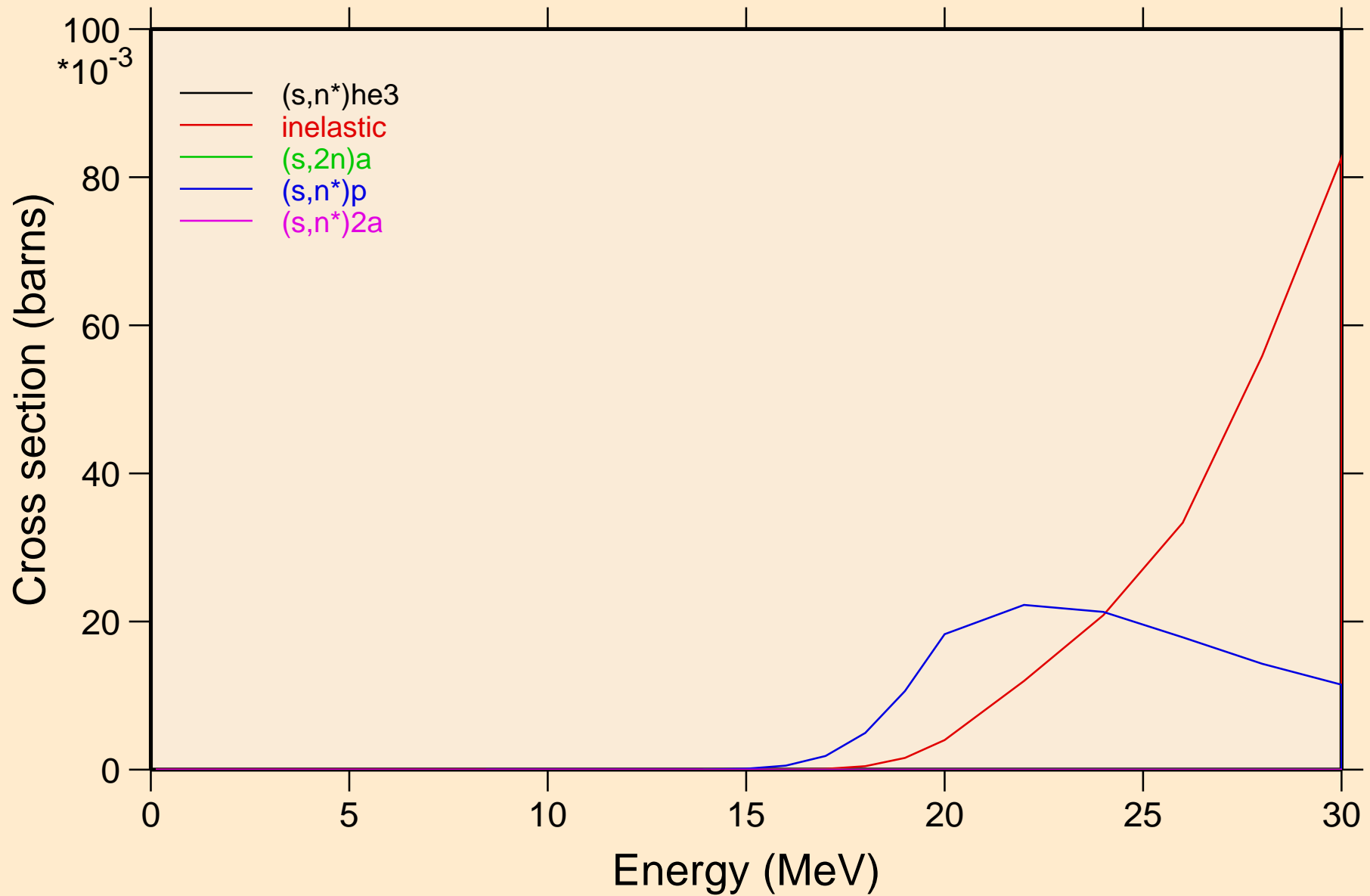
Heating



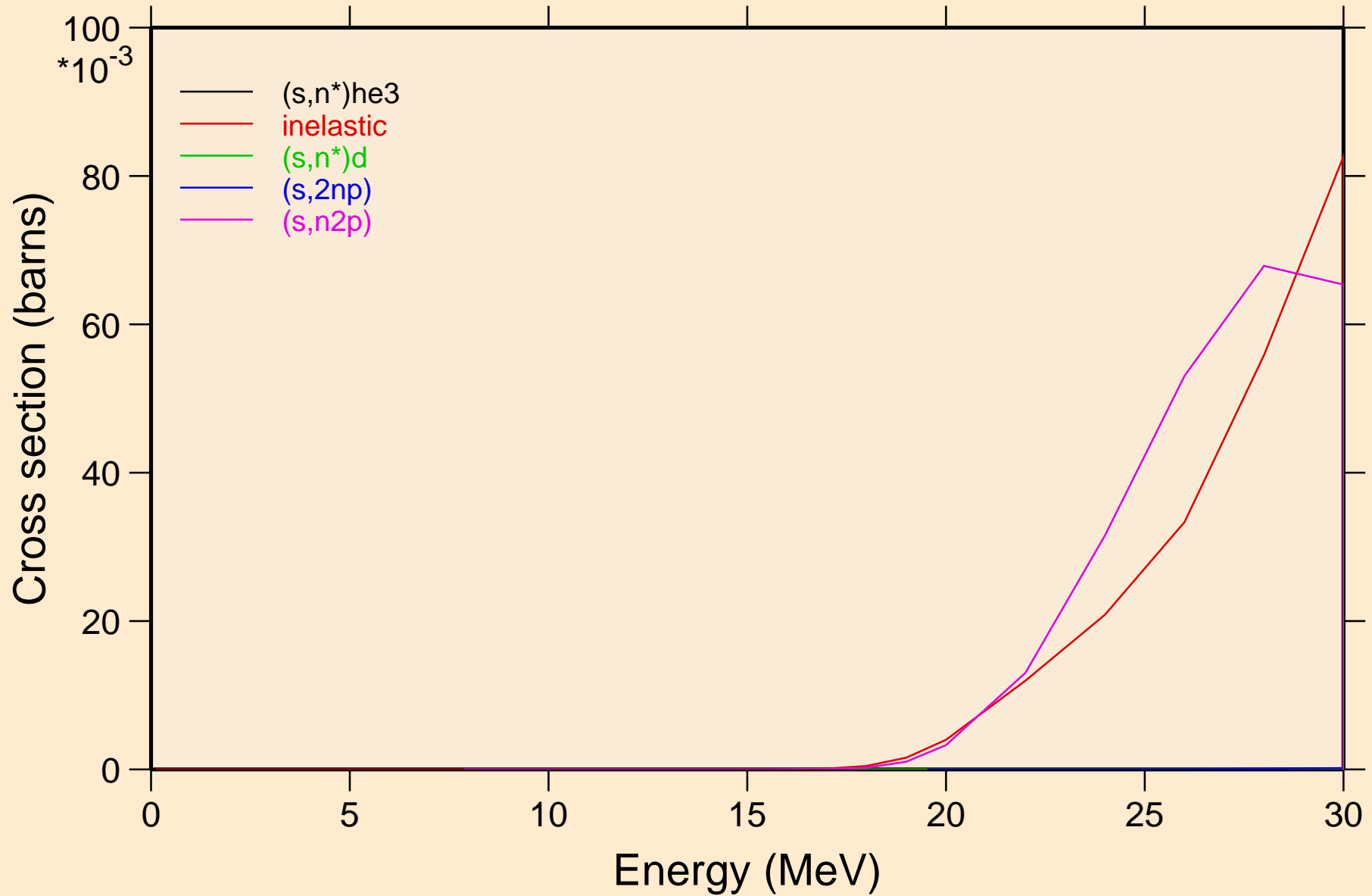
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



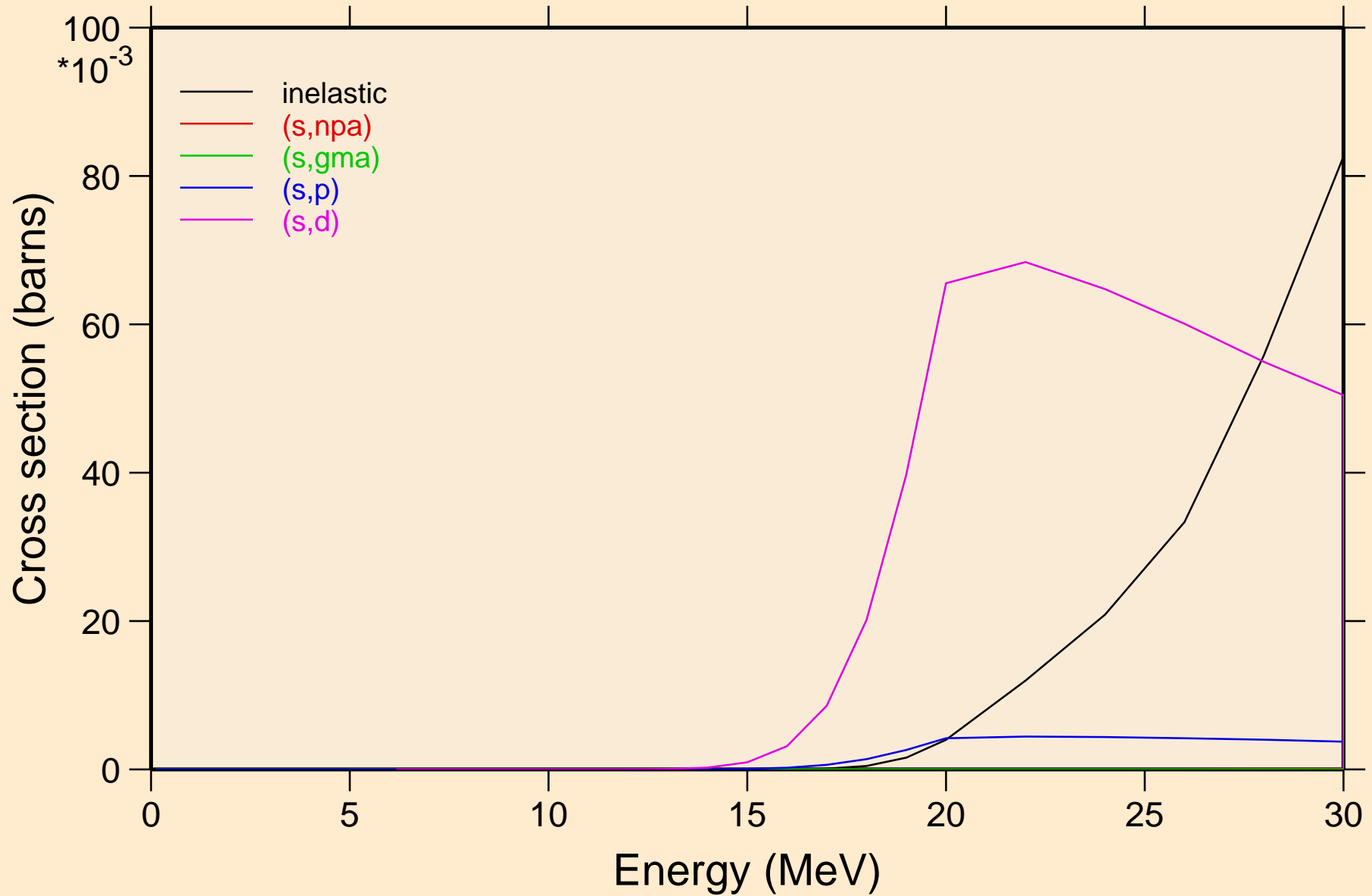
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



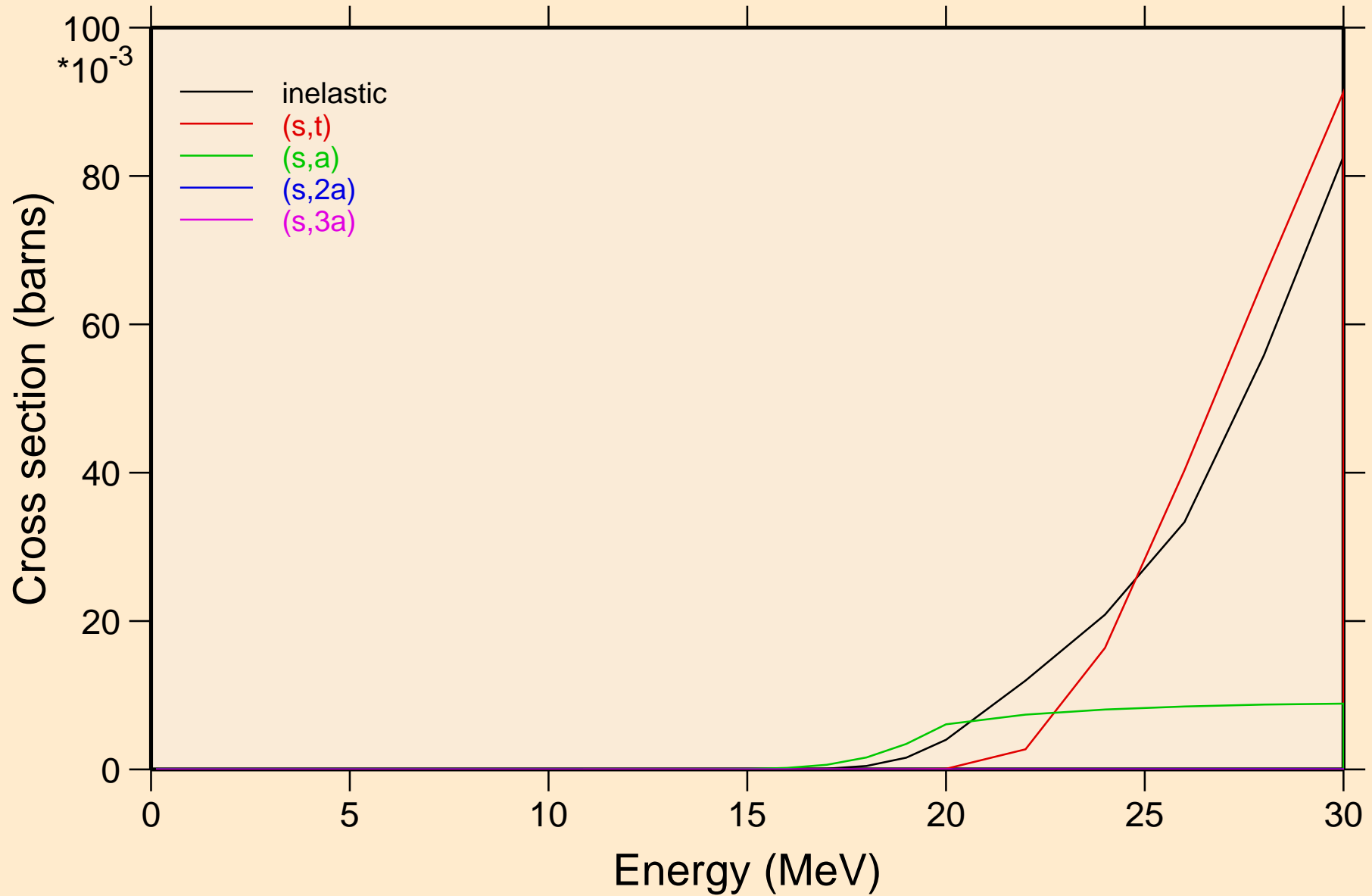
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions





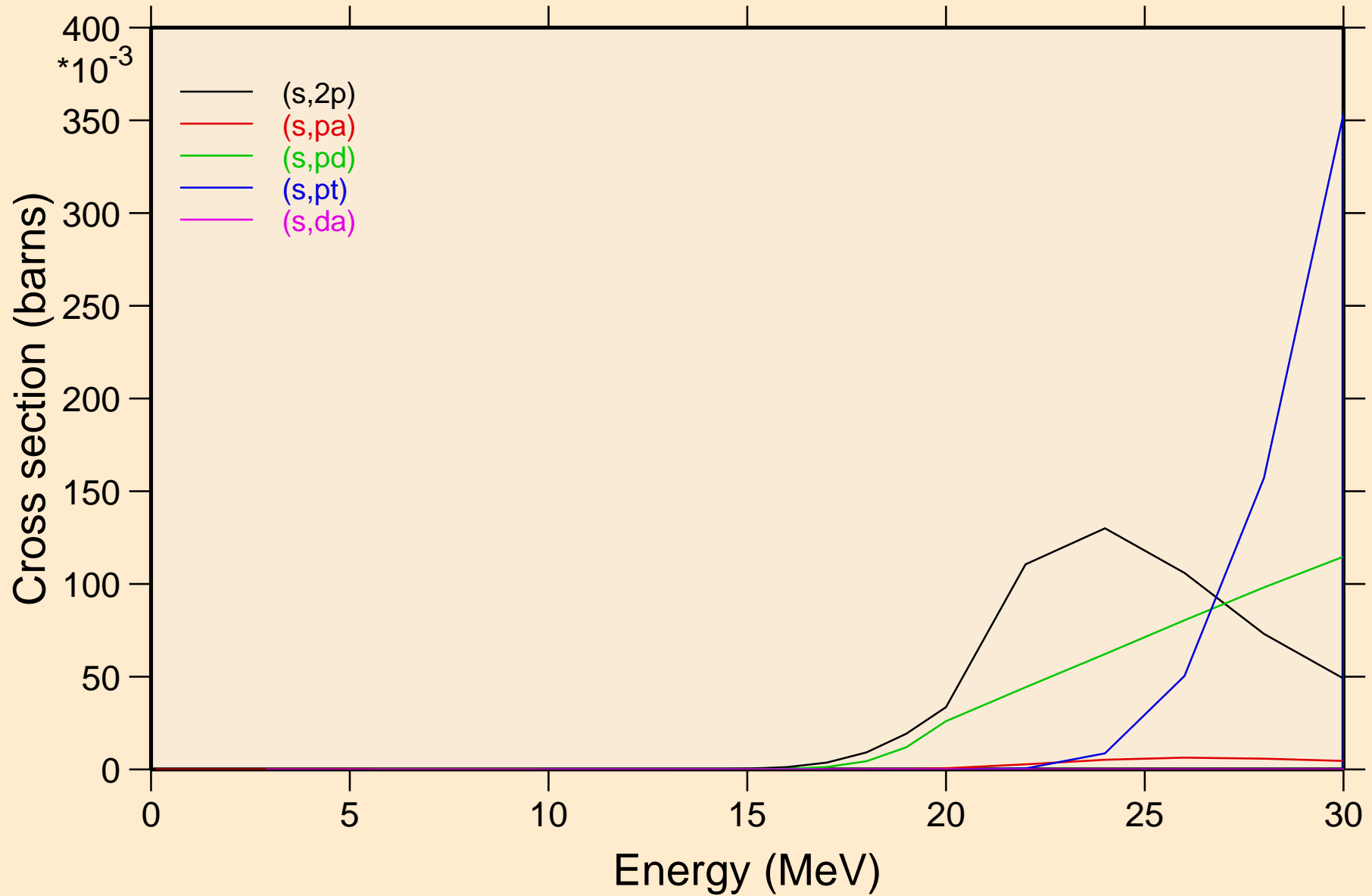
# ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

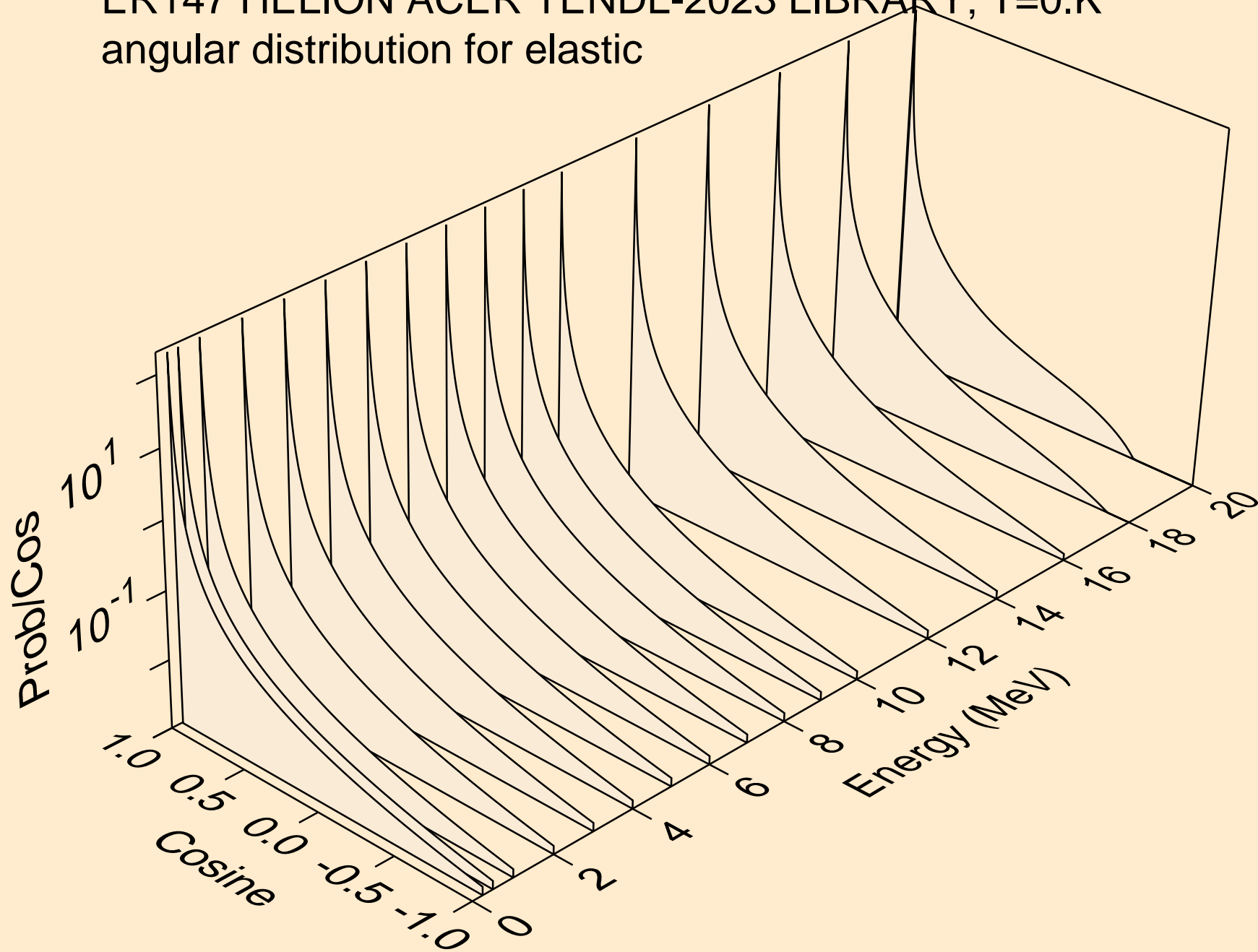


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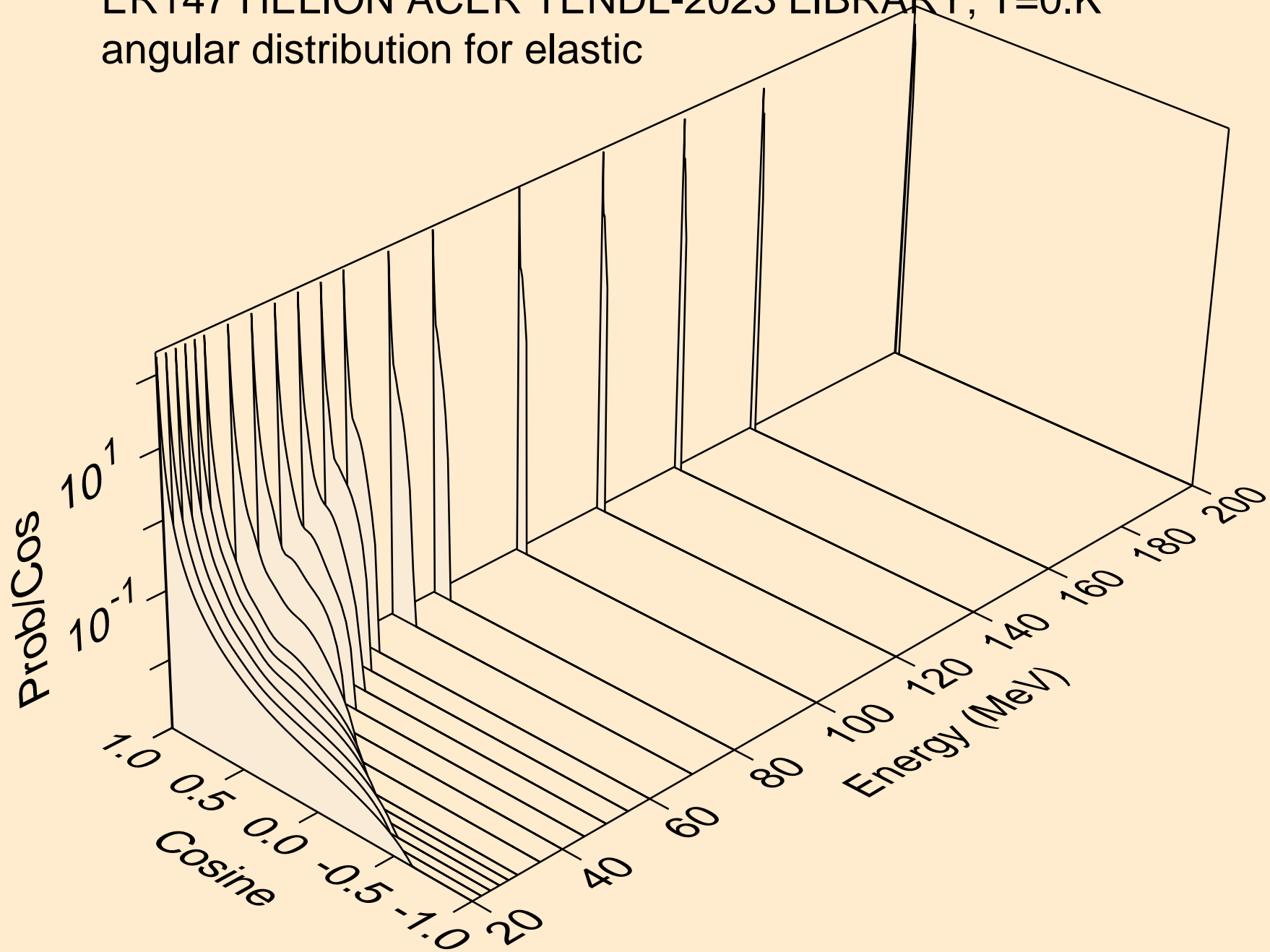
## Threshold reactions



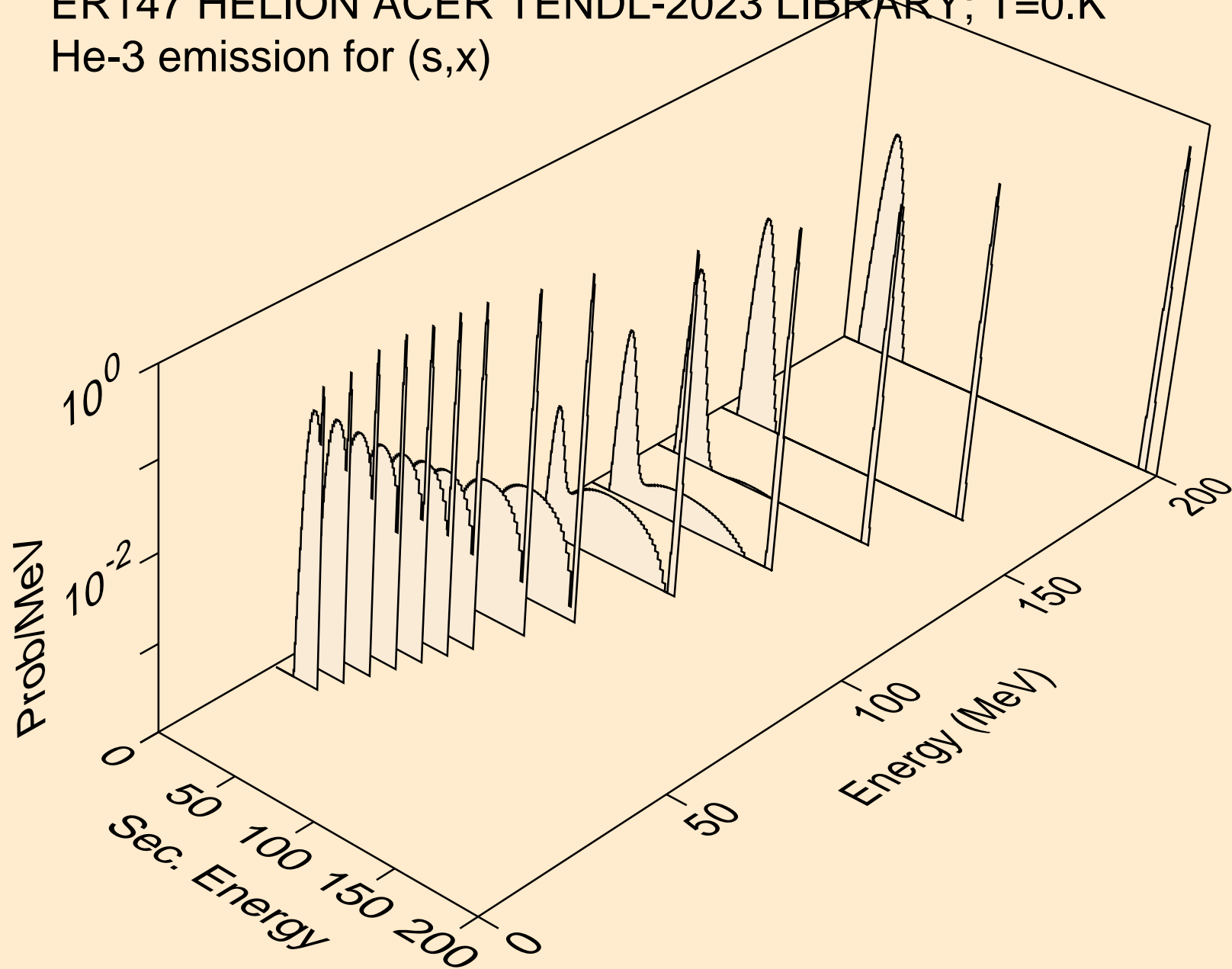
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



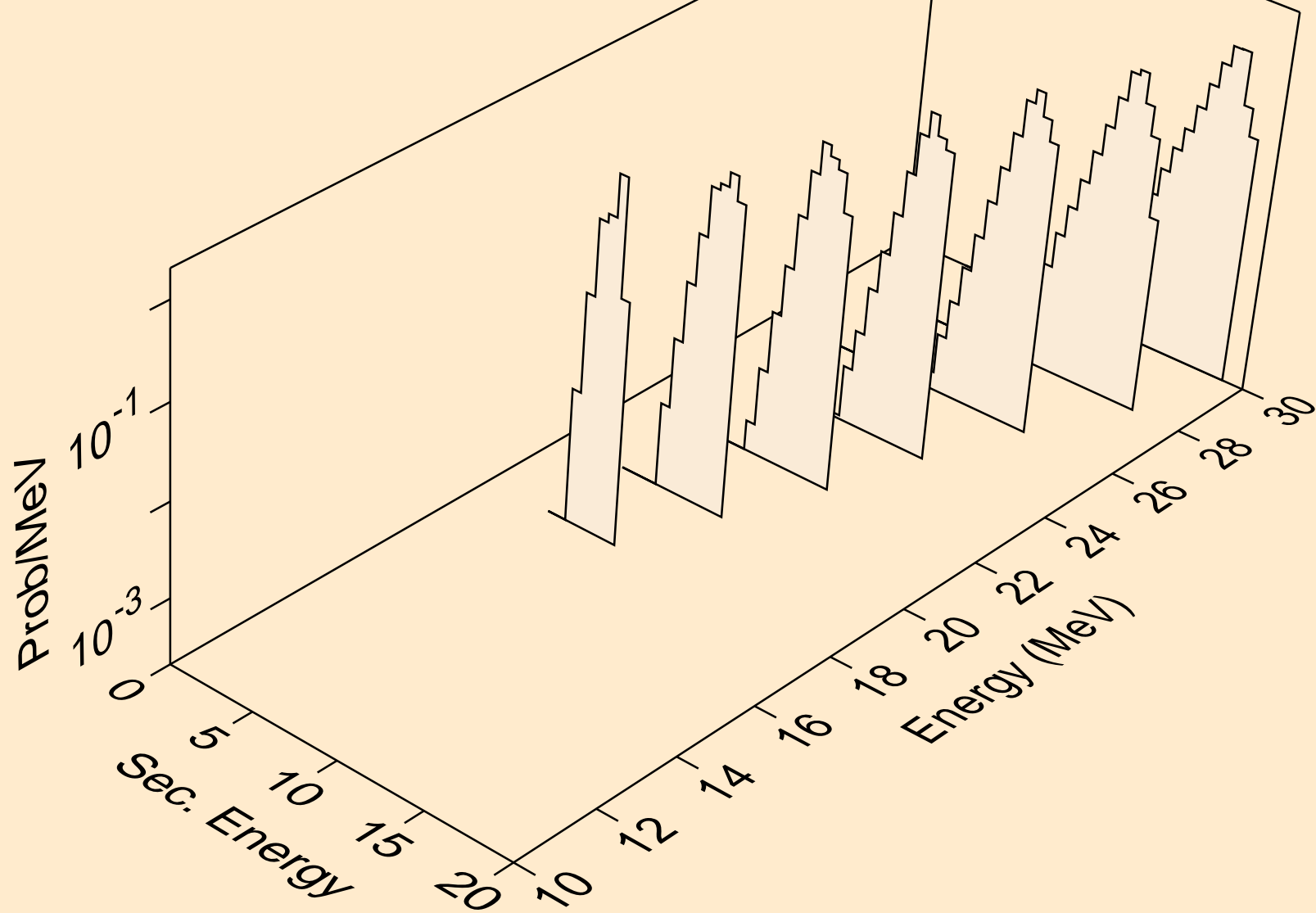
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



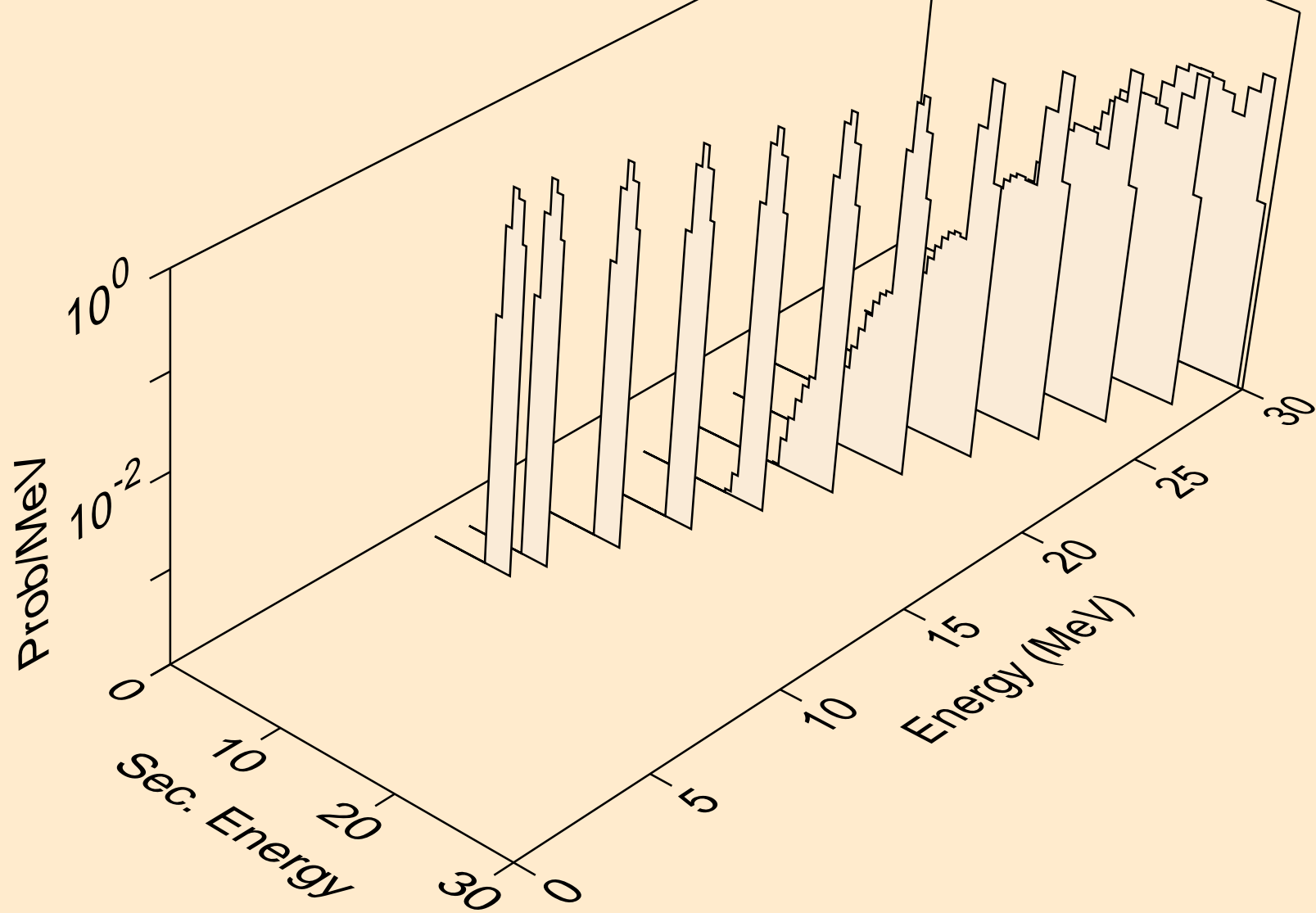
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



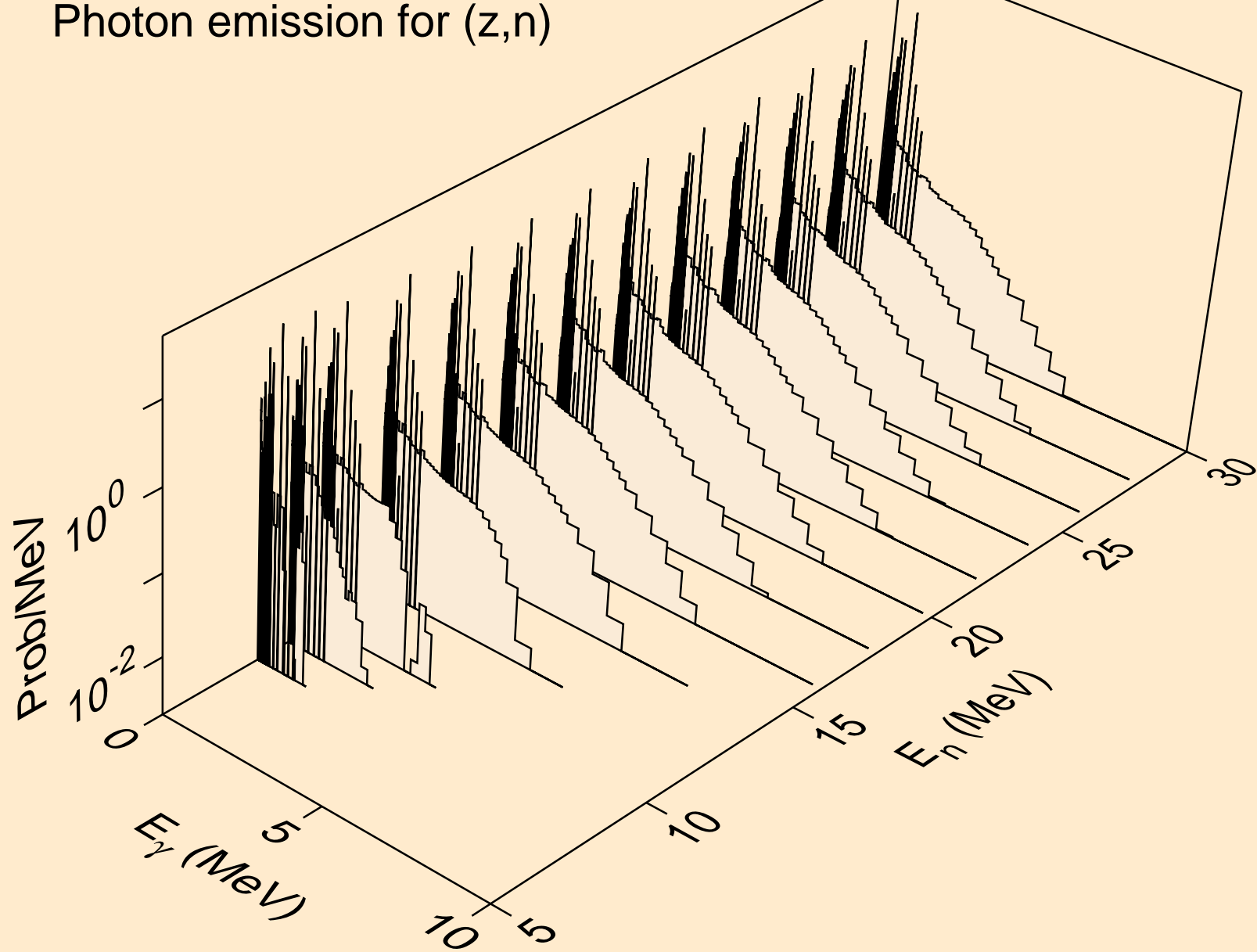
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic

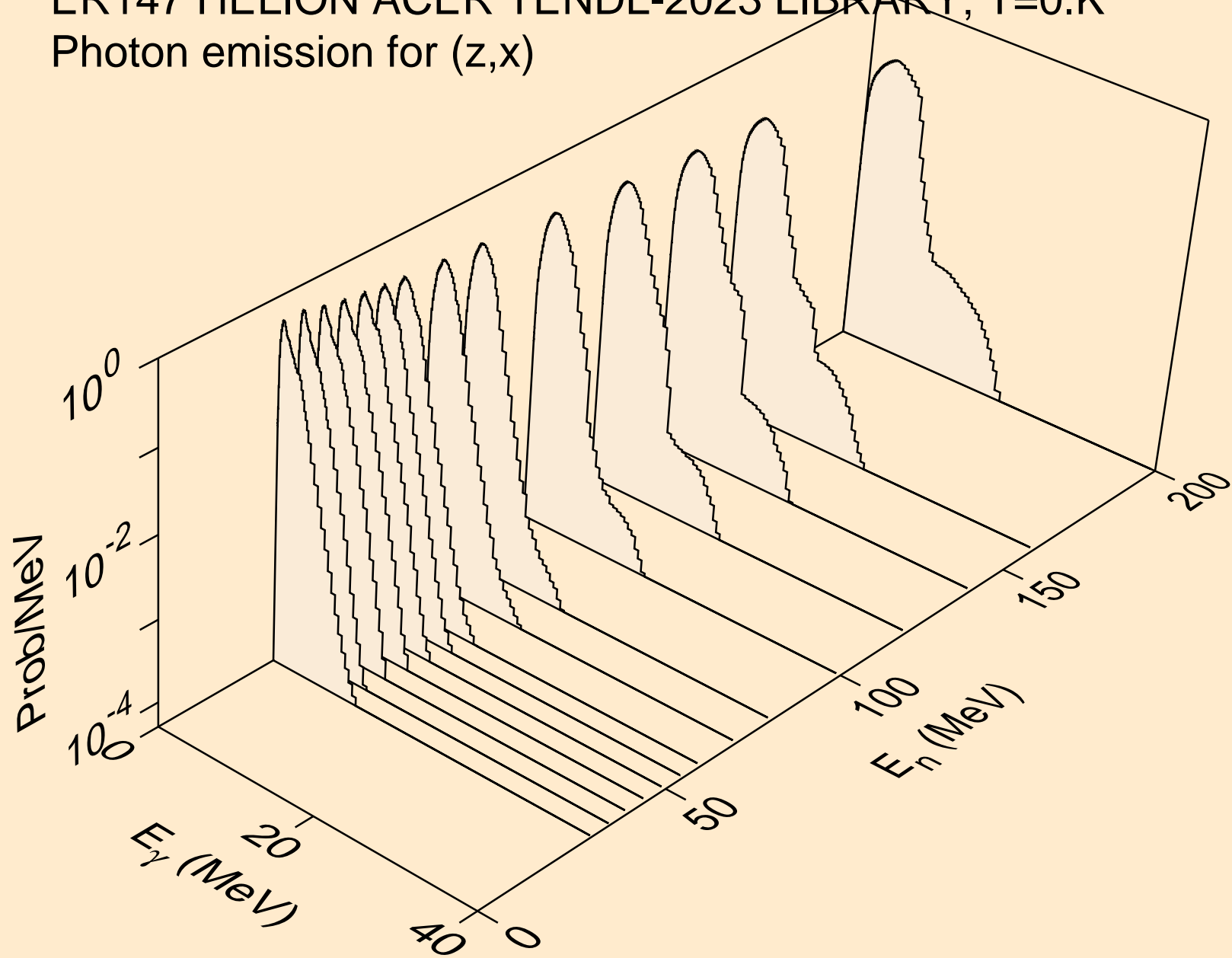


ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

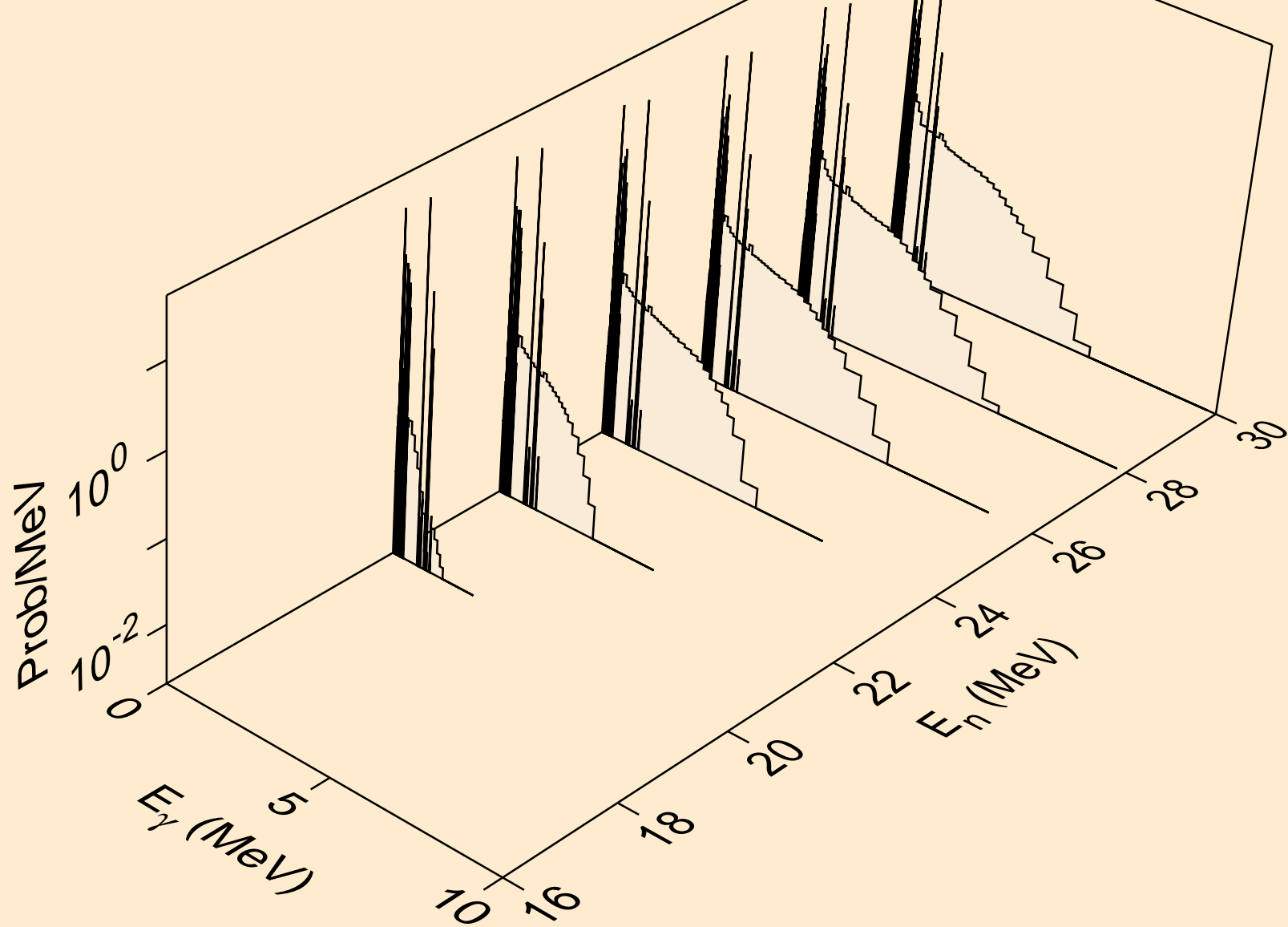




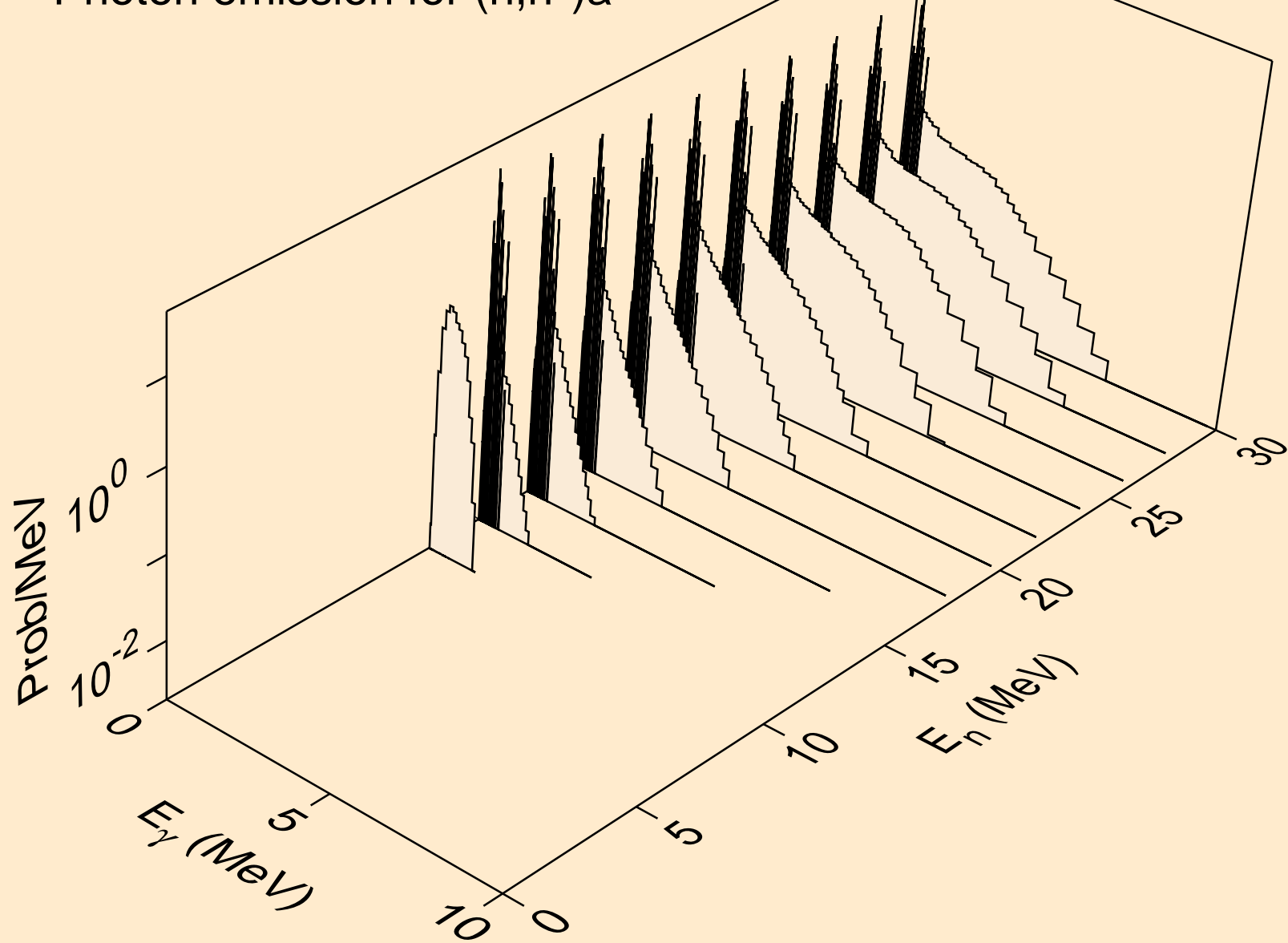
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



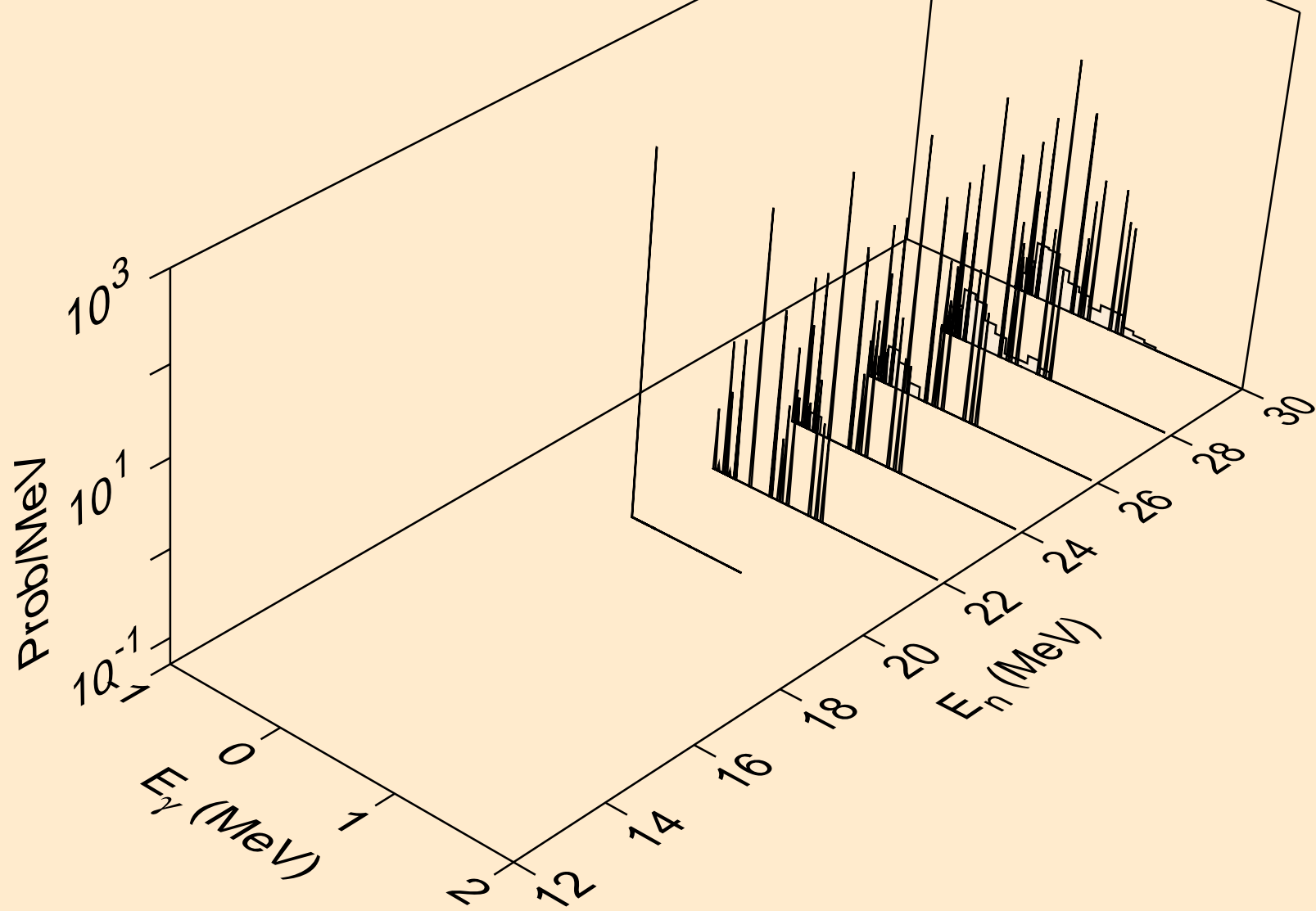
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



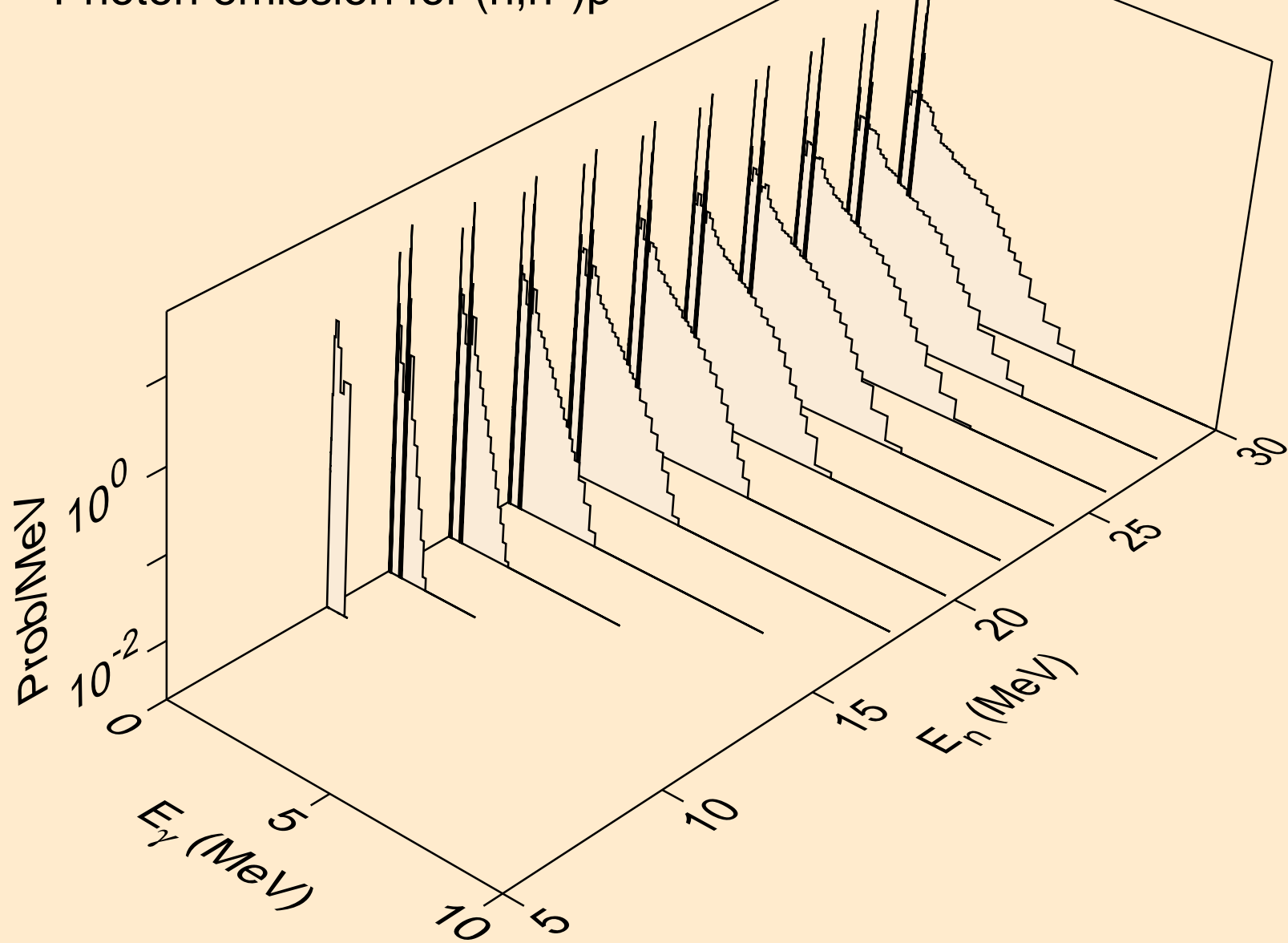
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



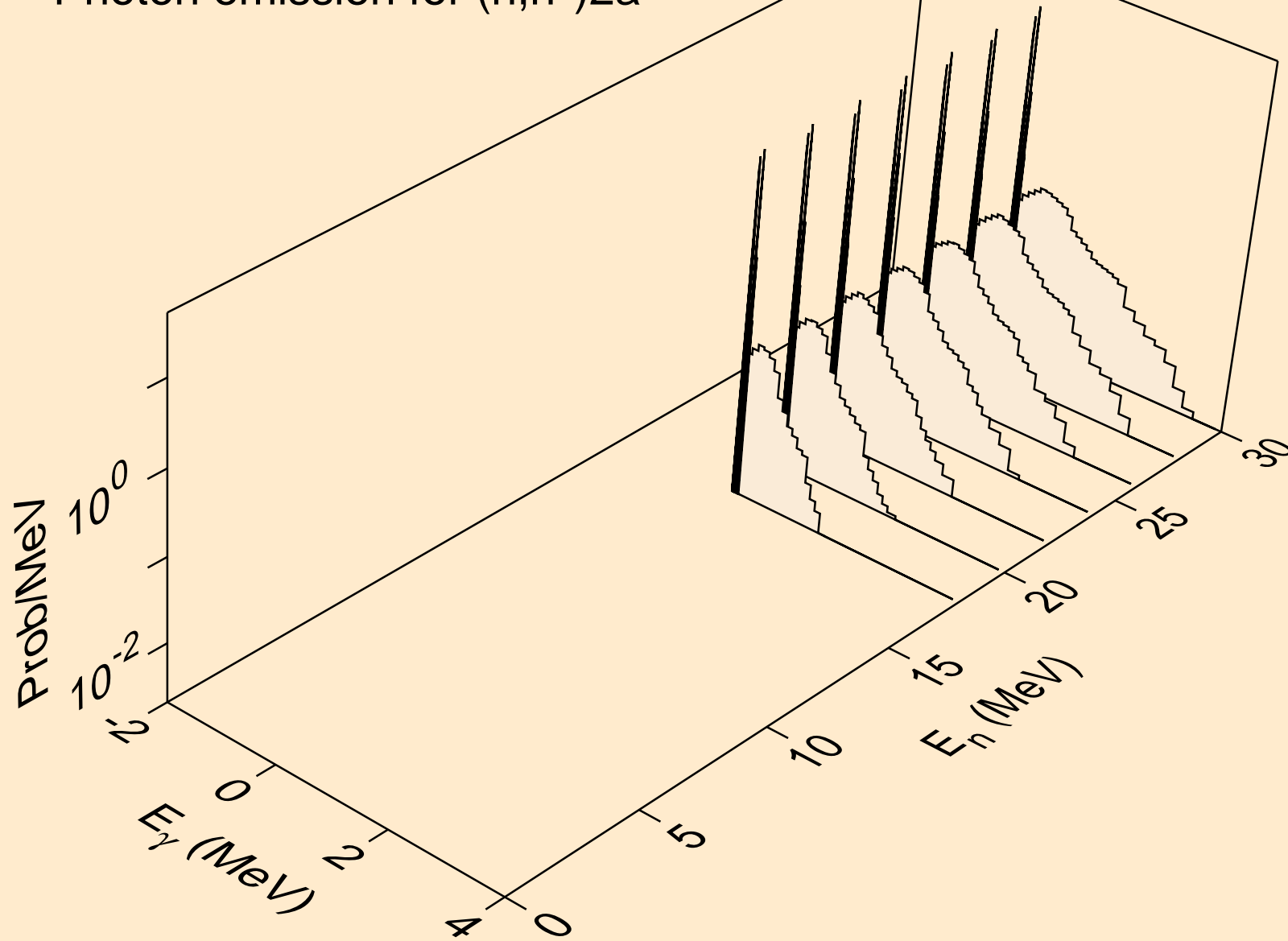
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



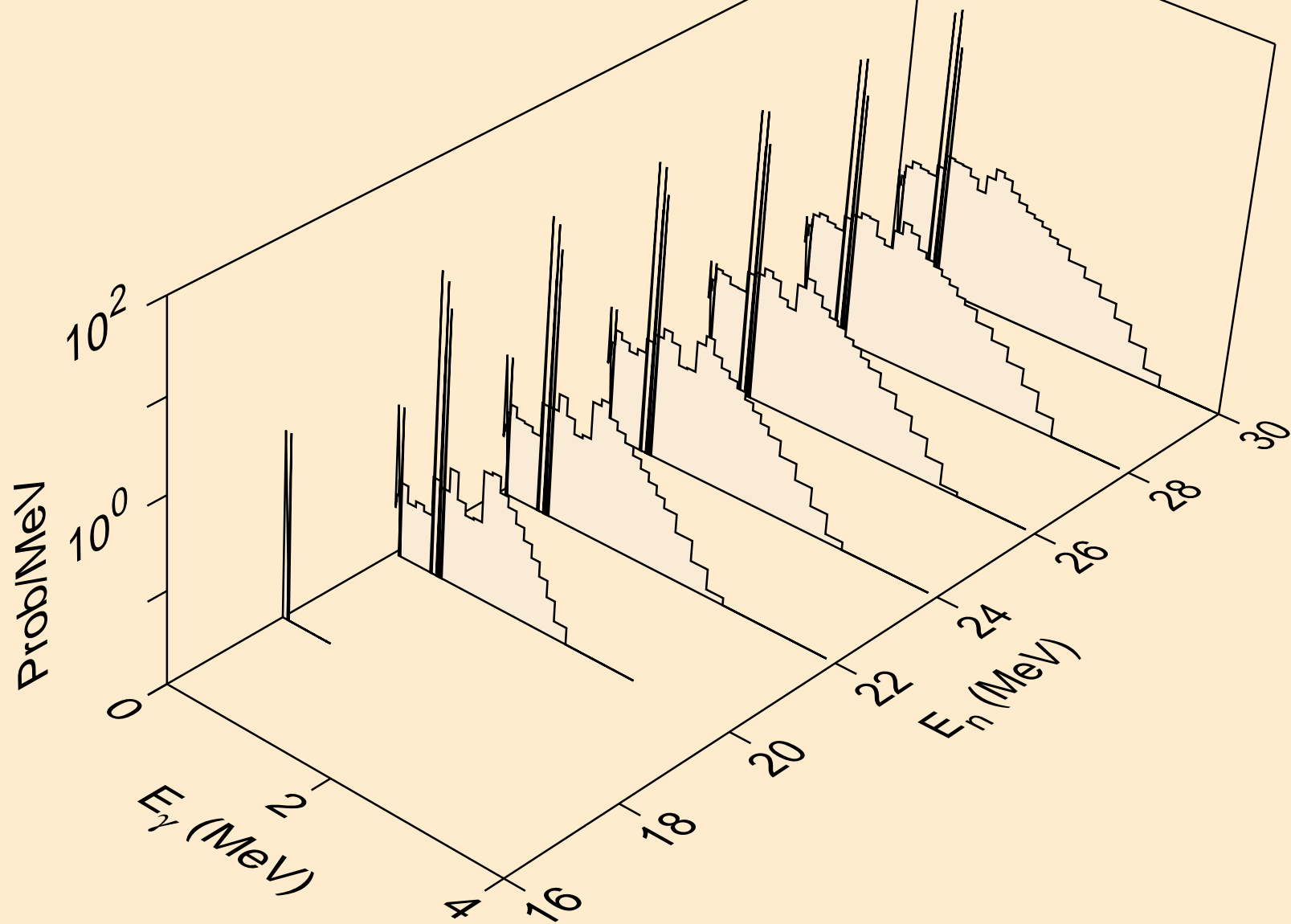
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



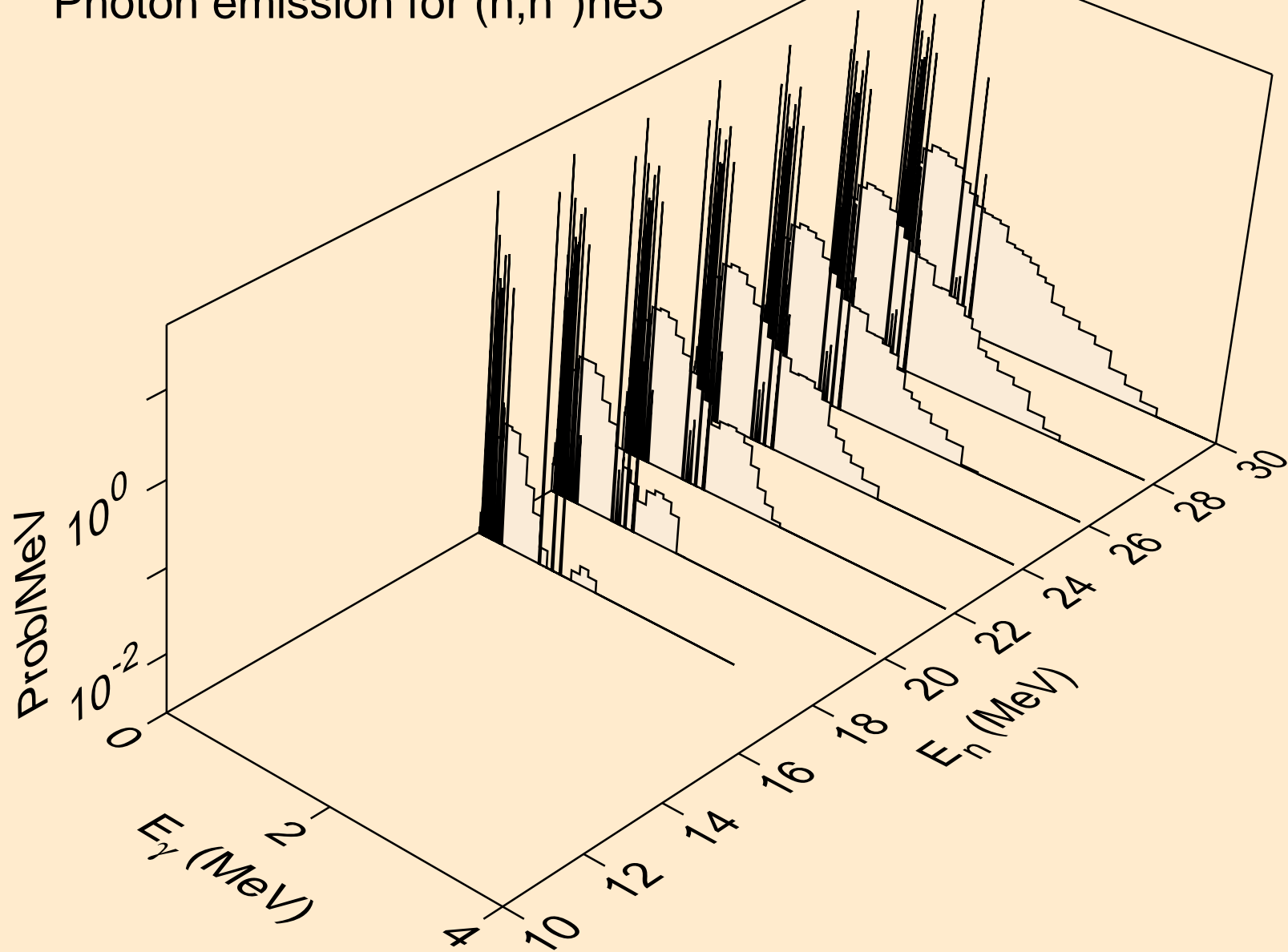
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

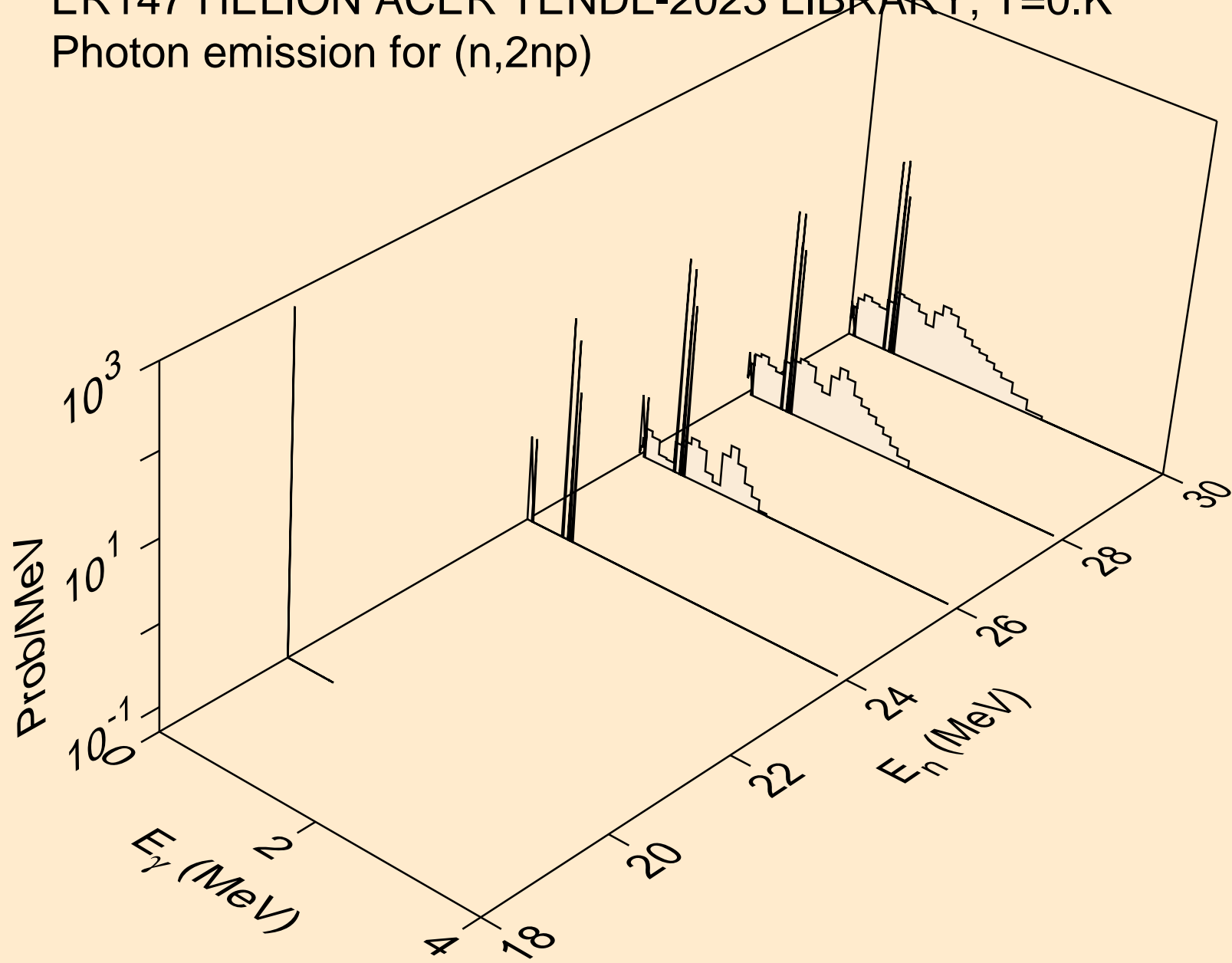


ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

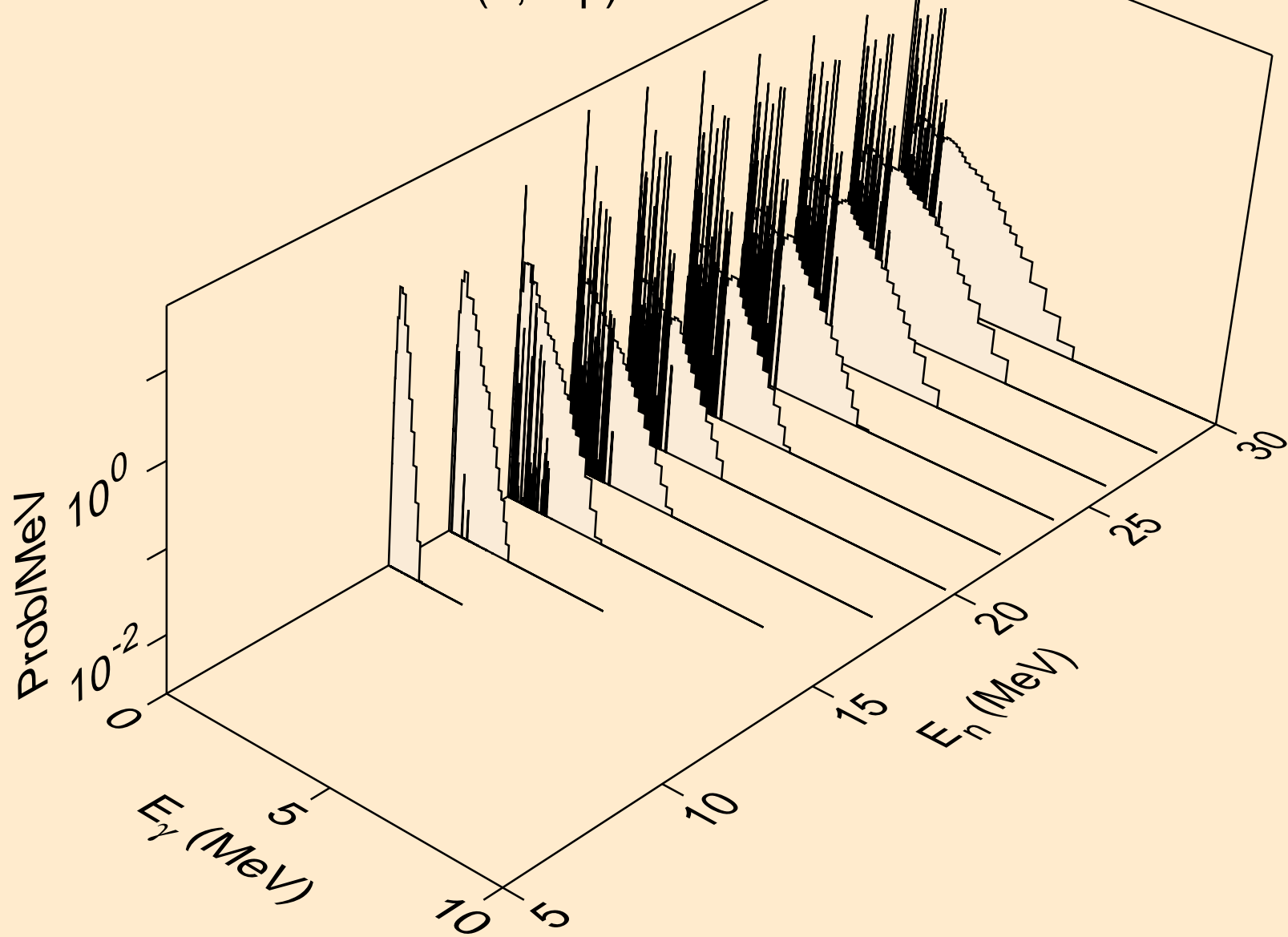




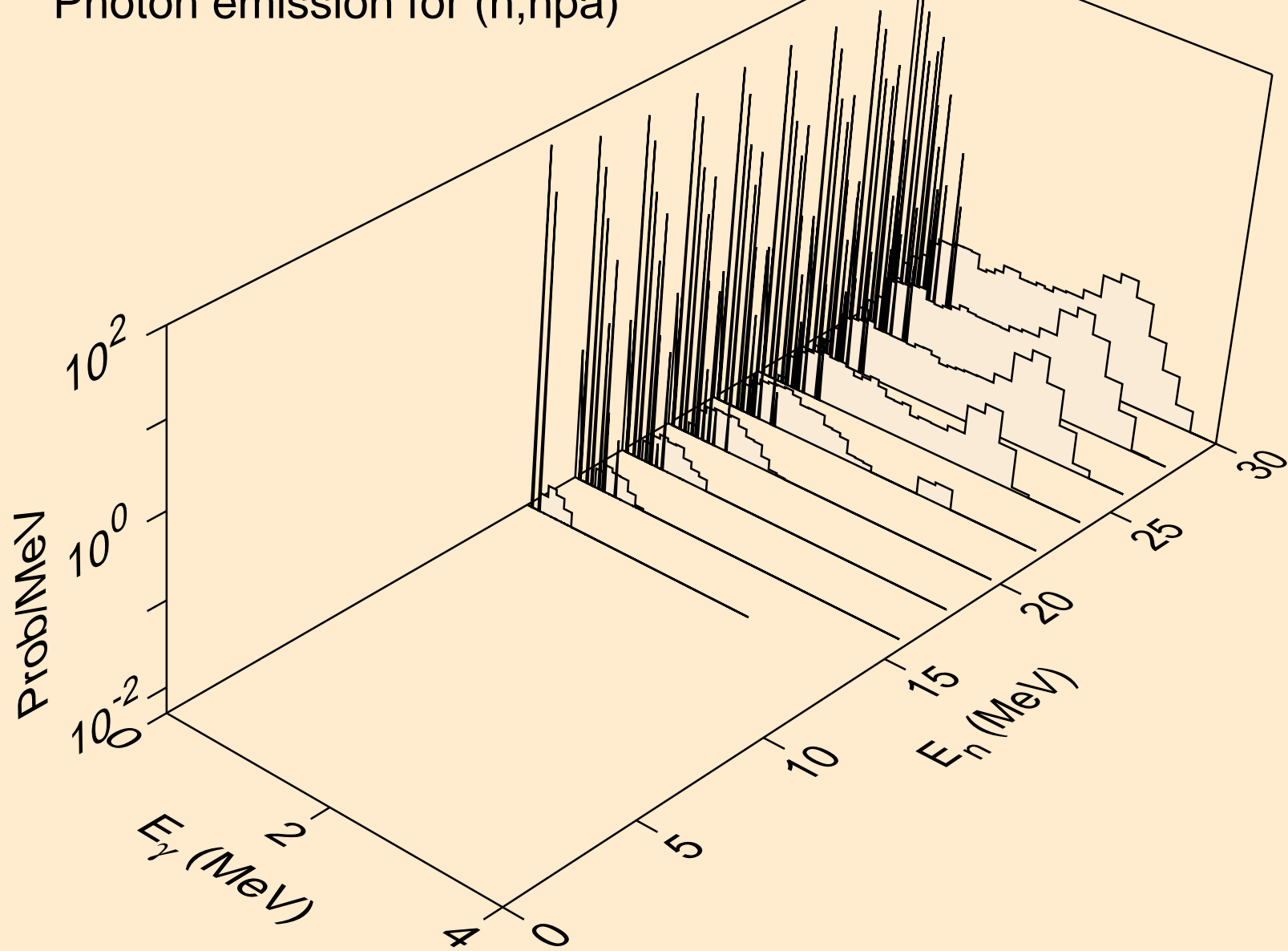
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



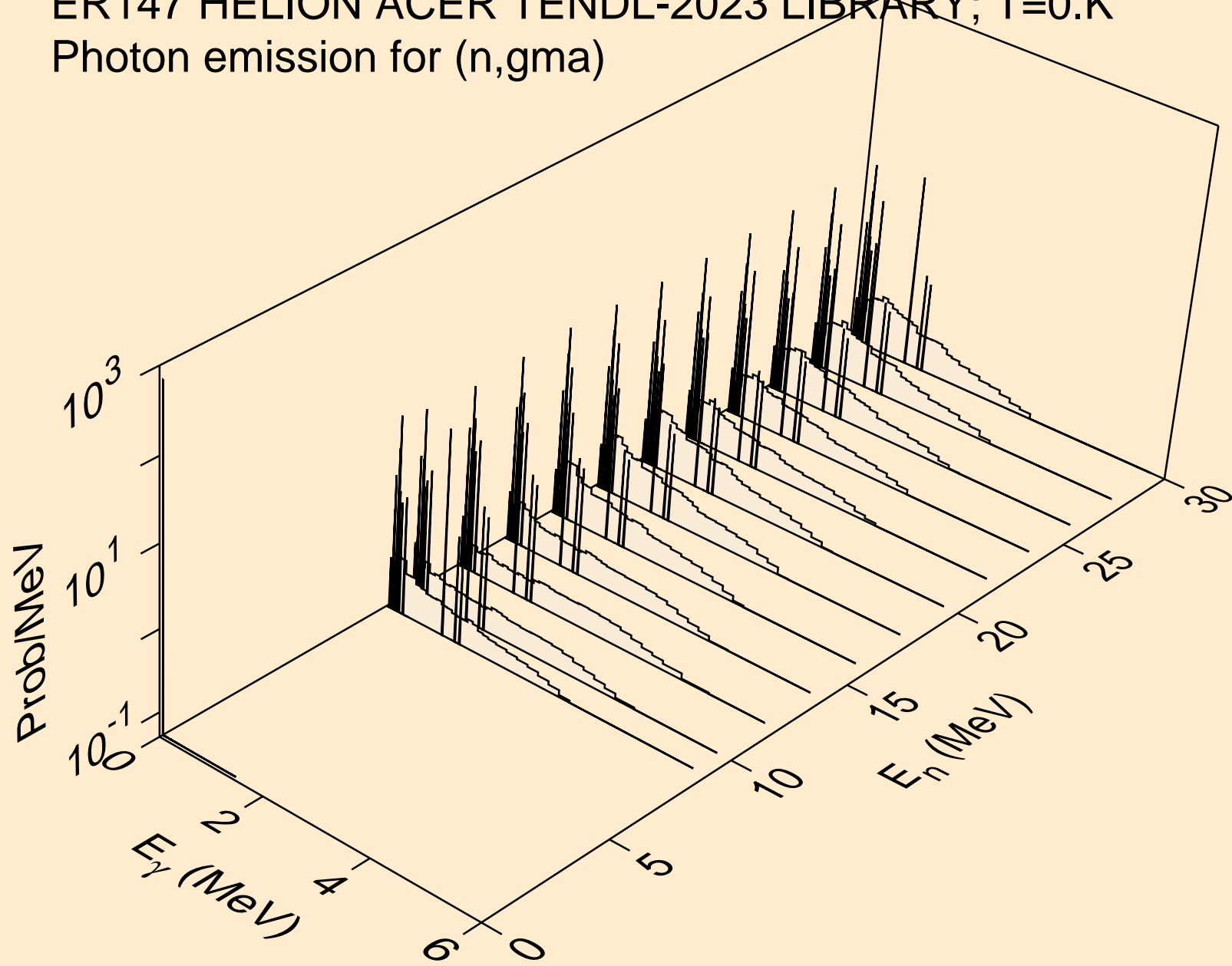
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



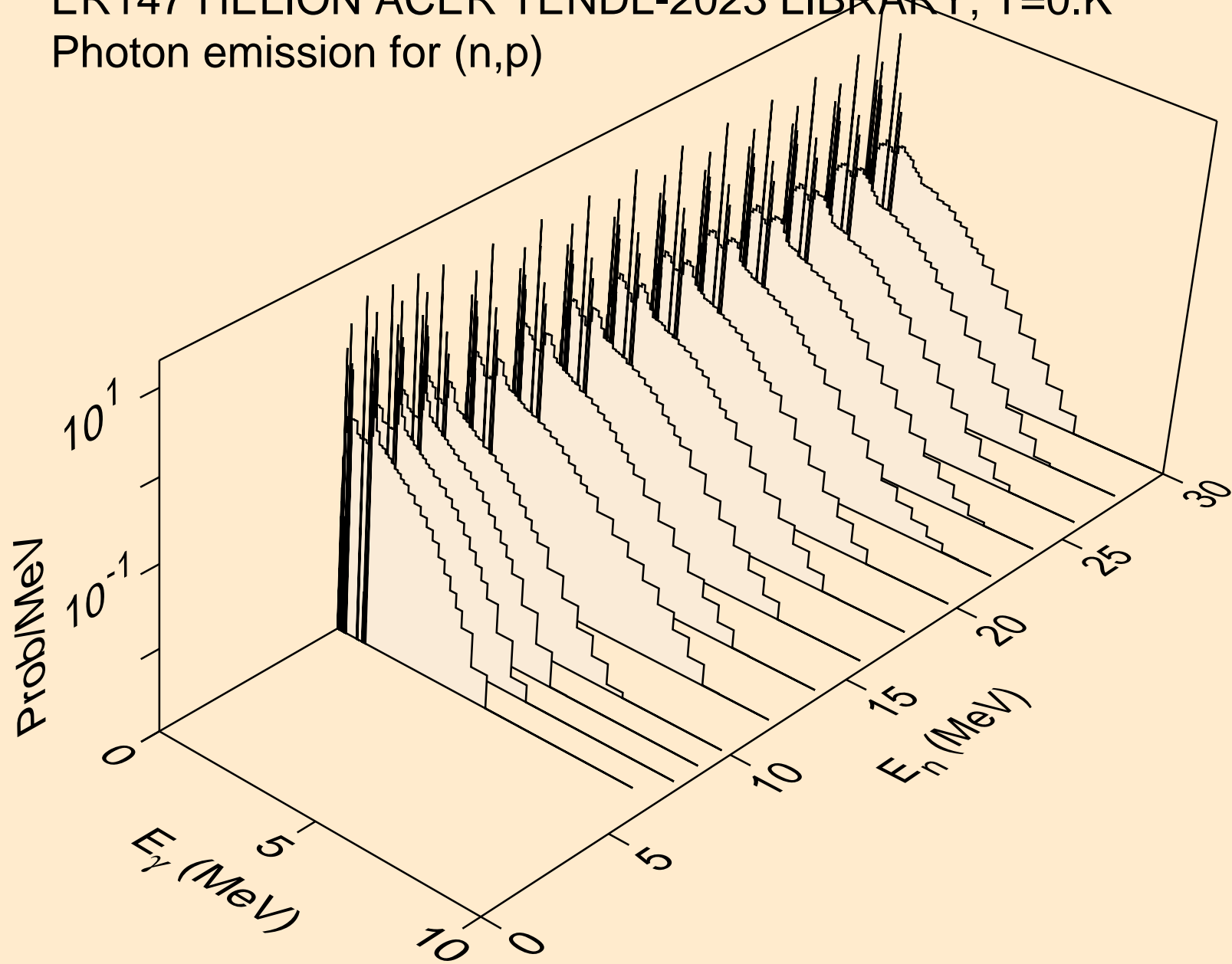
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



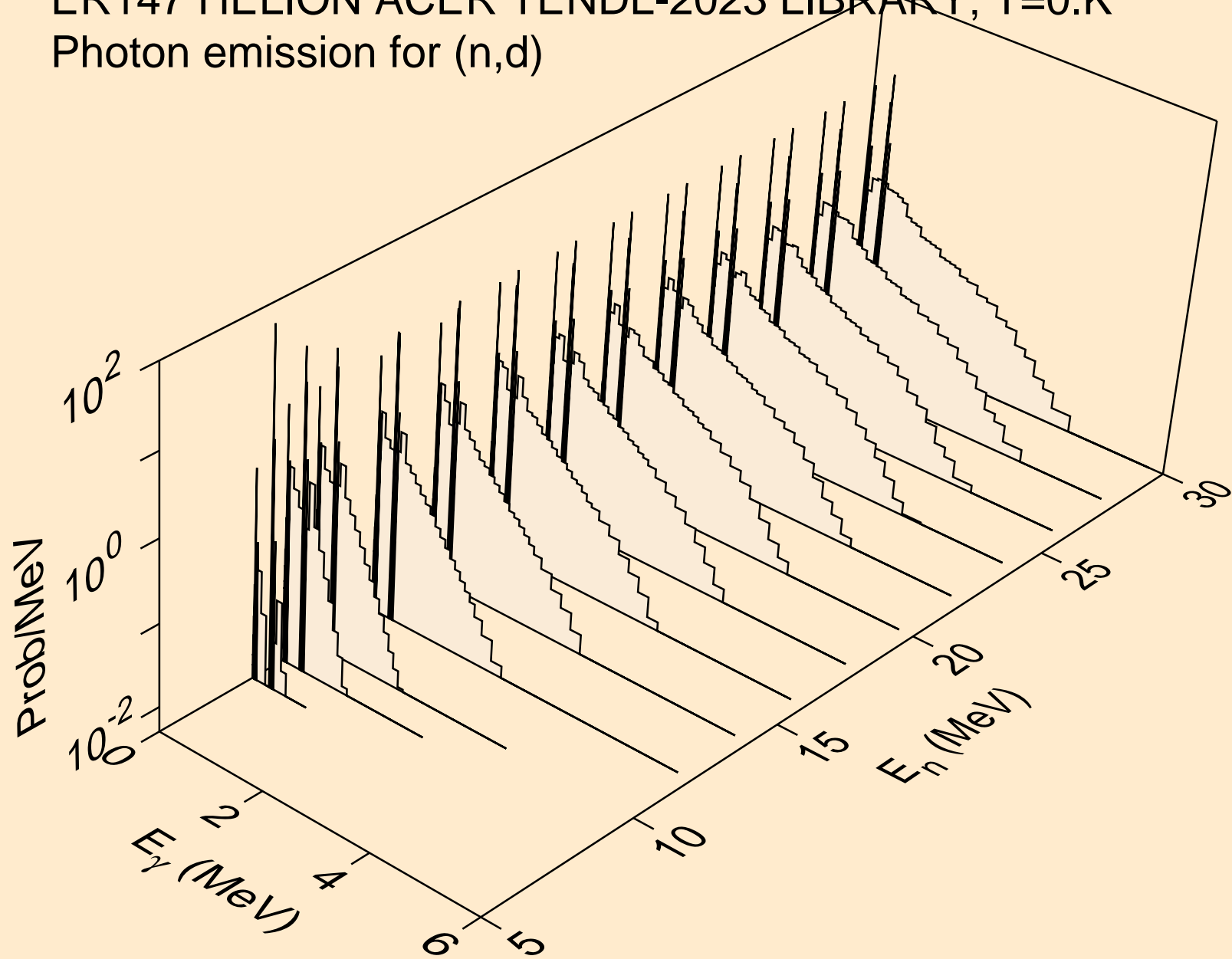
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Photon emission for (n,gma)



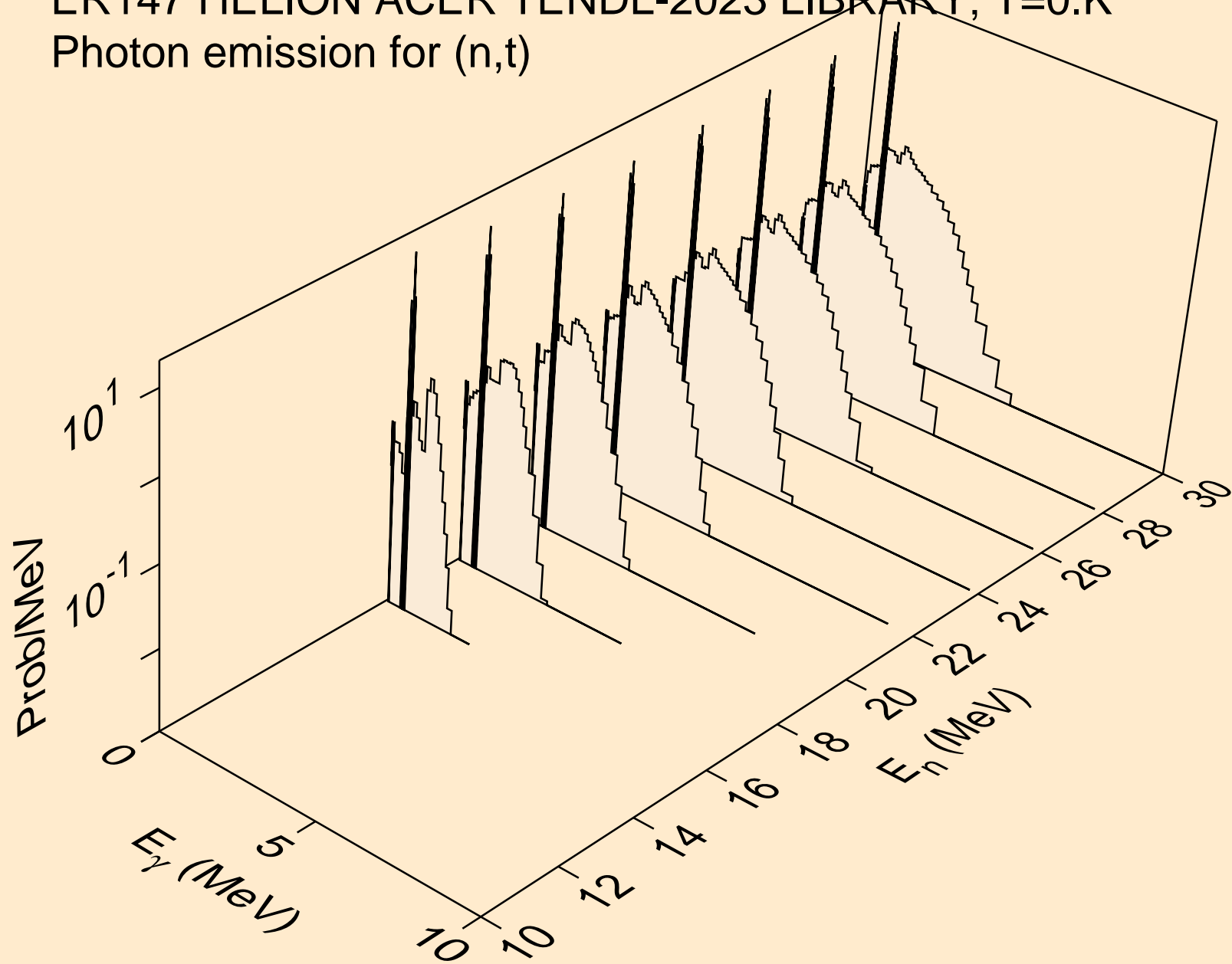
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Photon emission for (n,p)



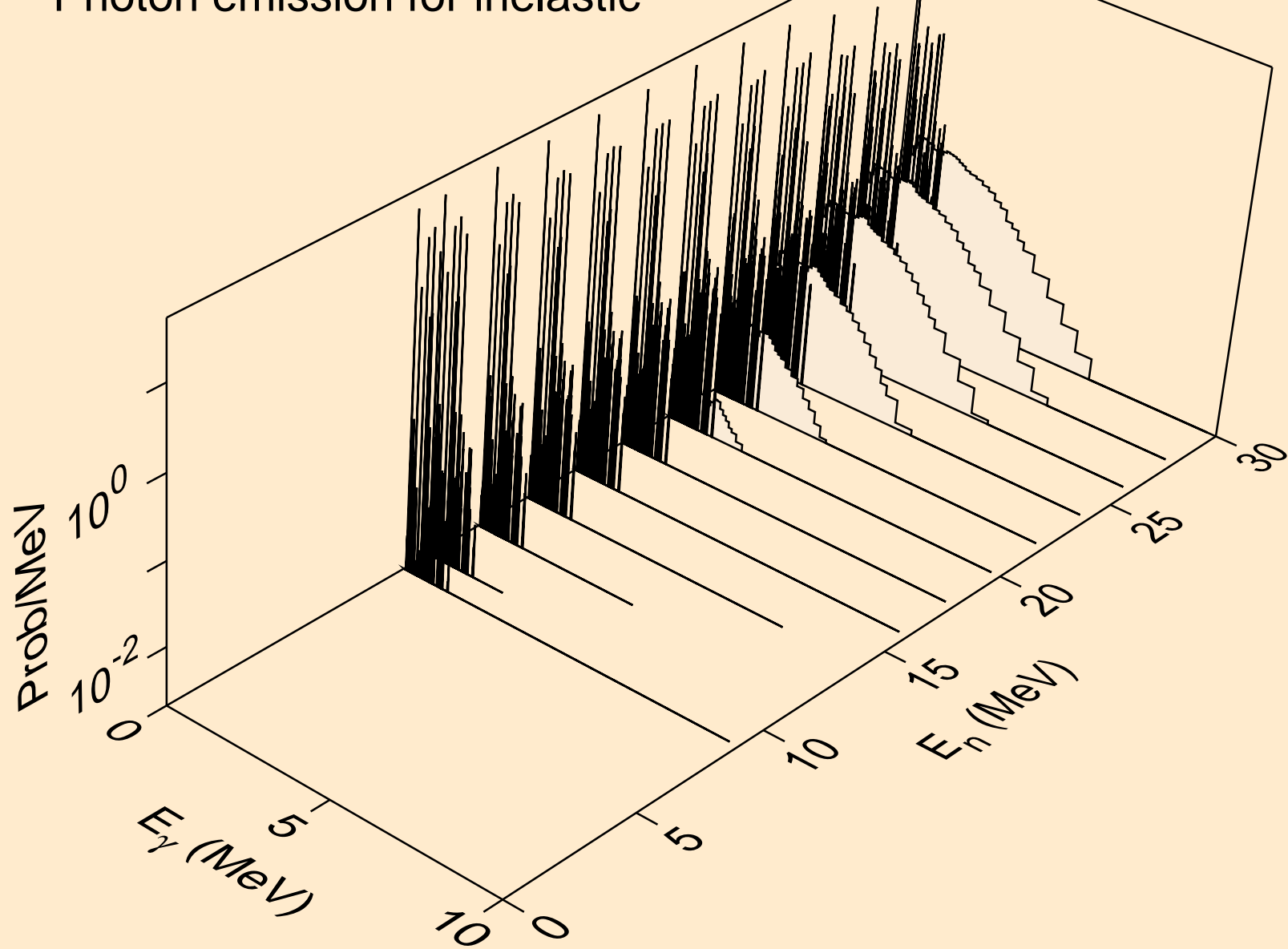
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

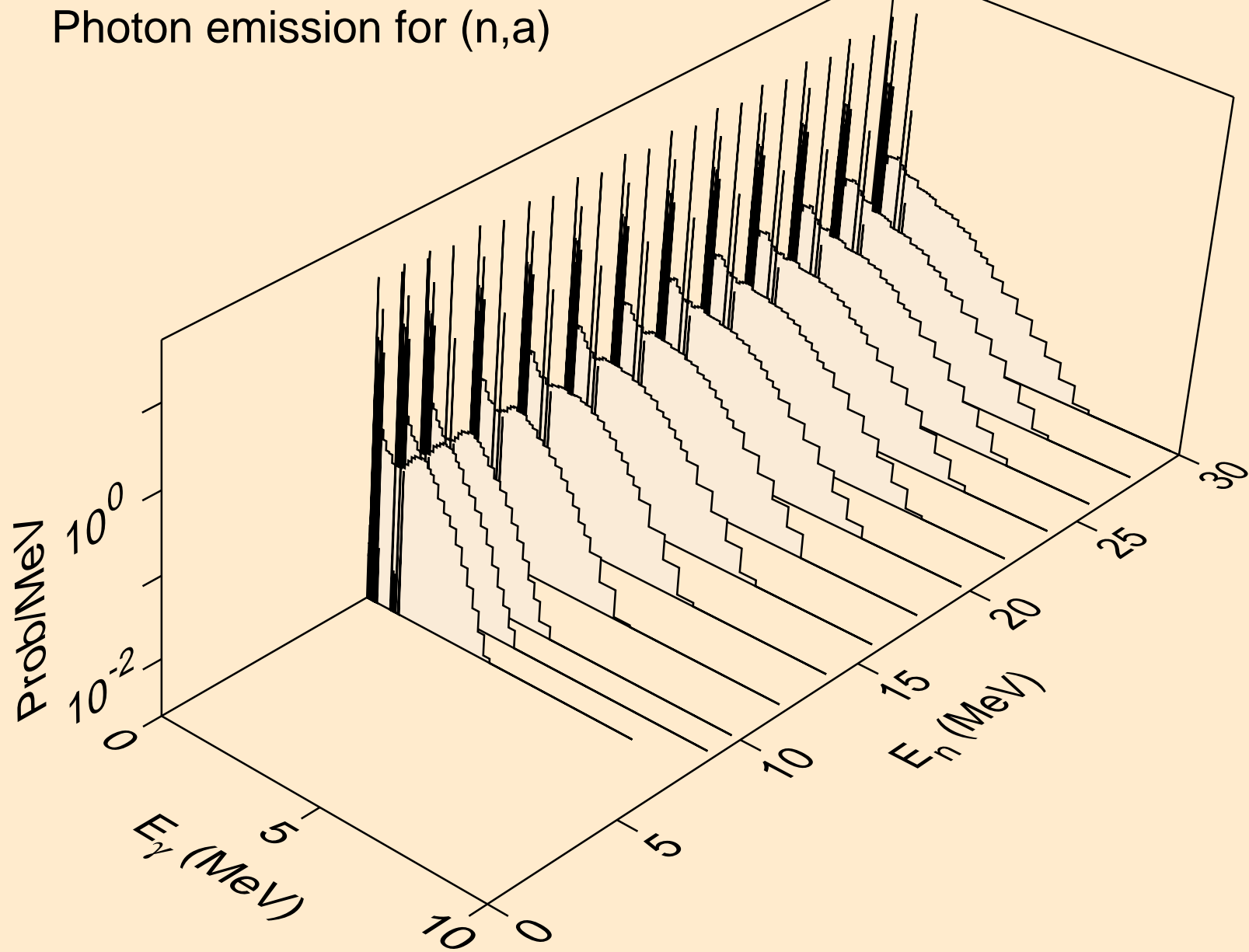


ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

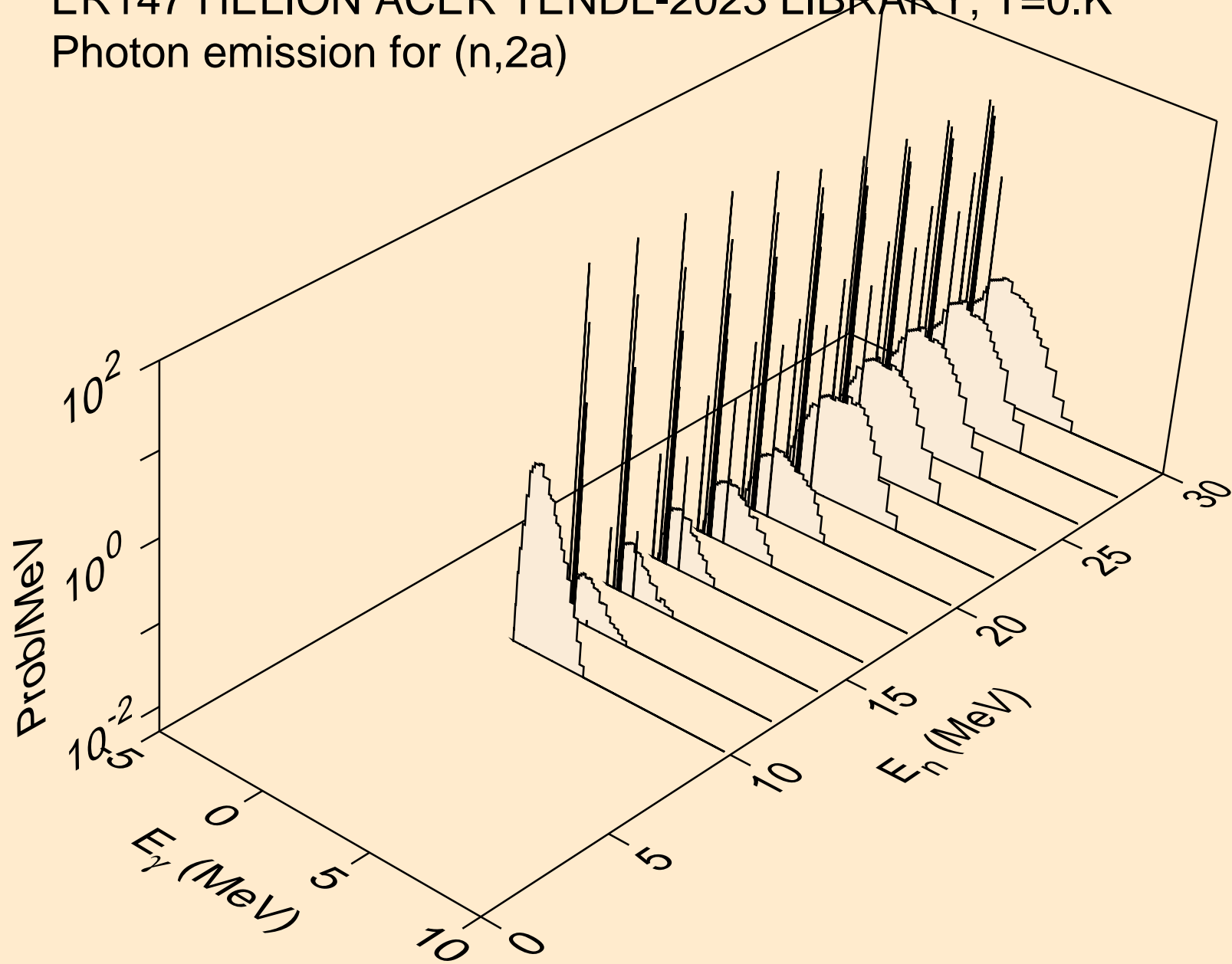




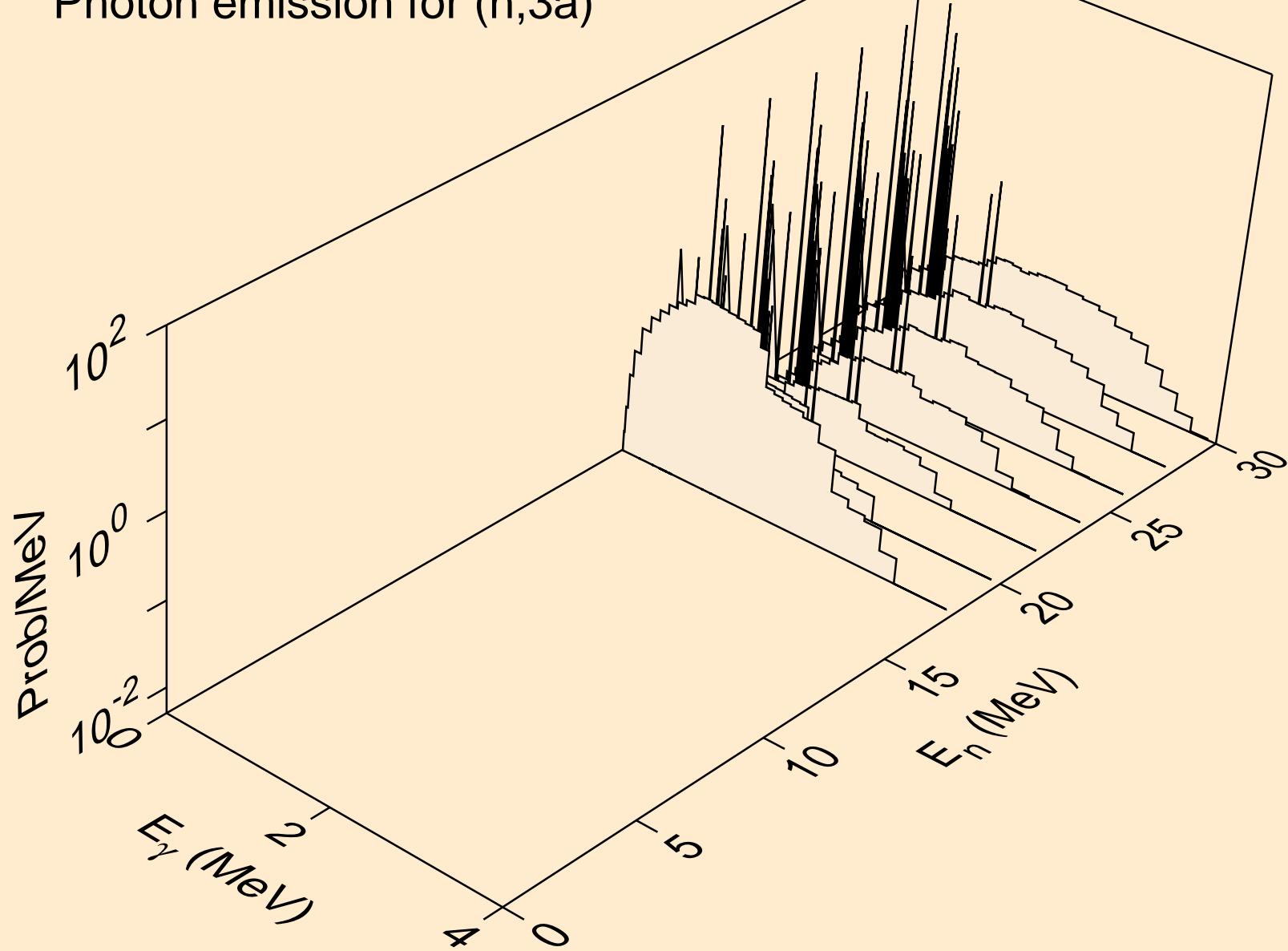
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Photon emission for (n,a)



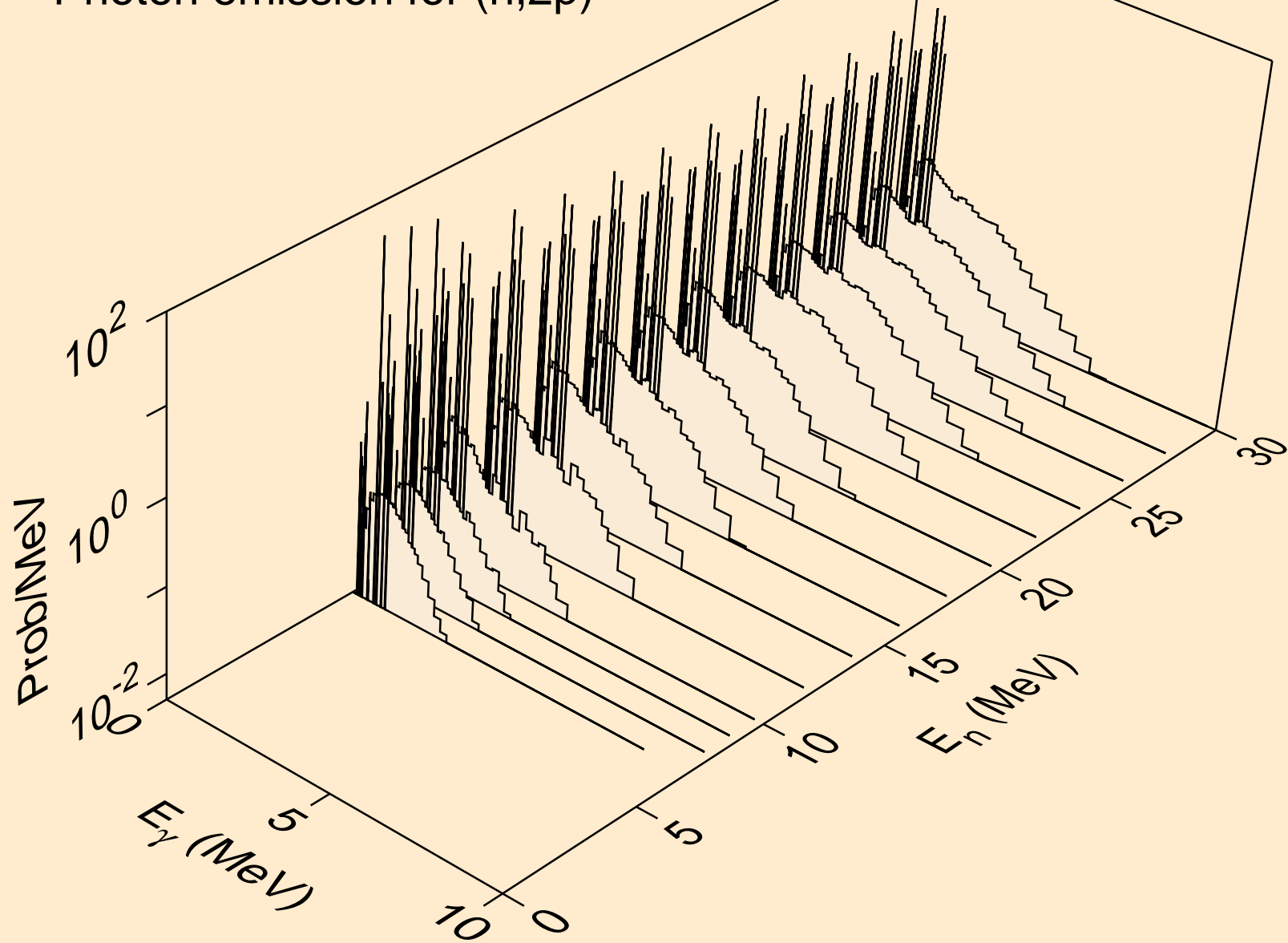
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Photon emission for (n,2a)



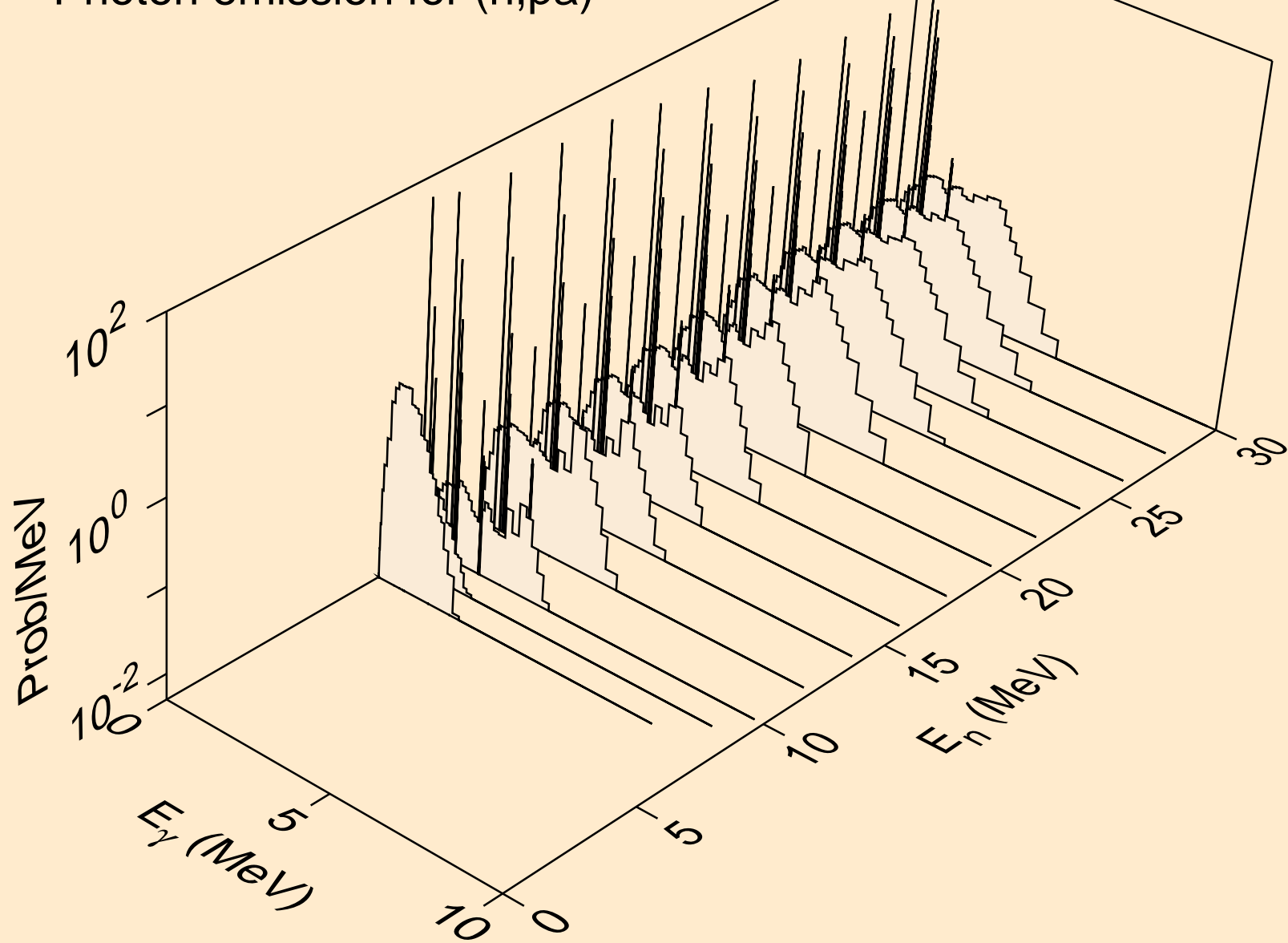
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Photon emission for (n,3a)



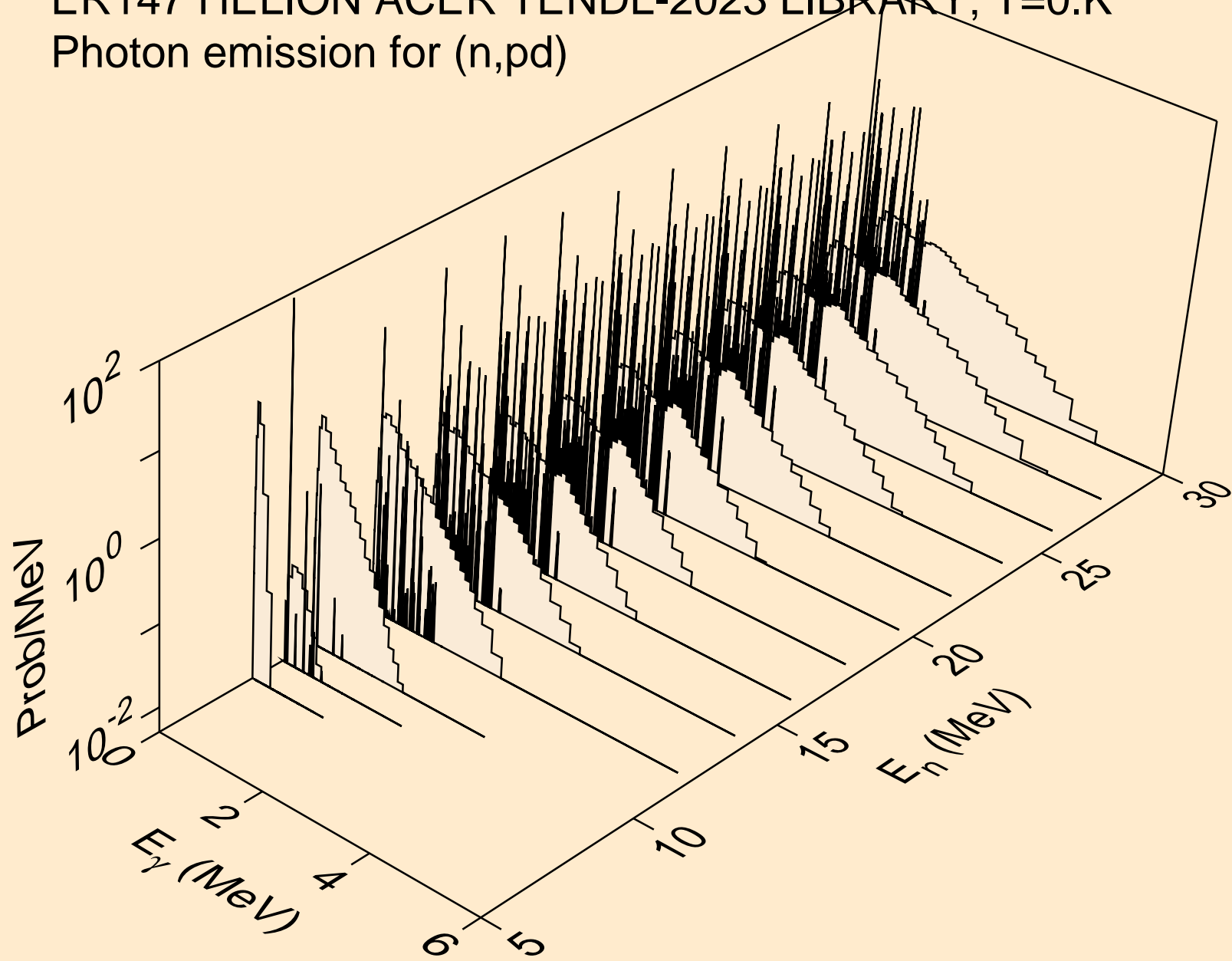
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Photon emission for (n,2p)



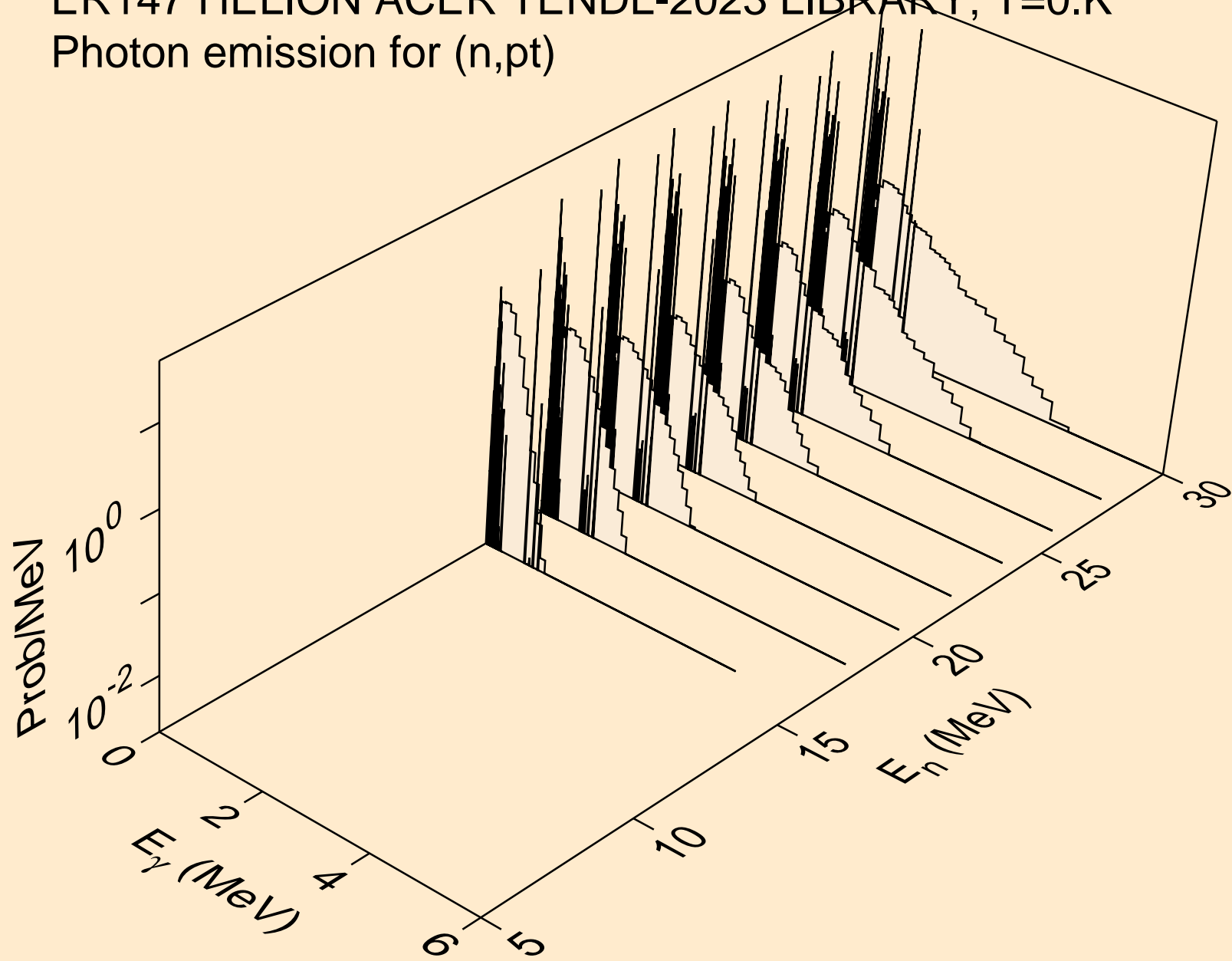
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



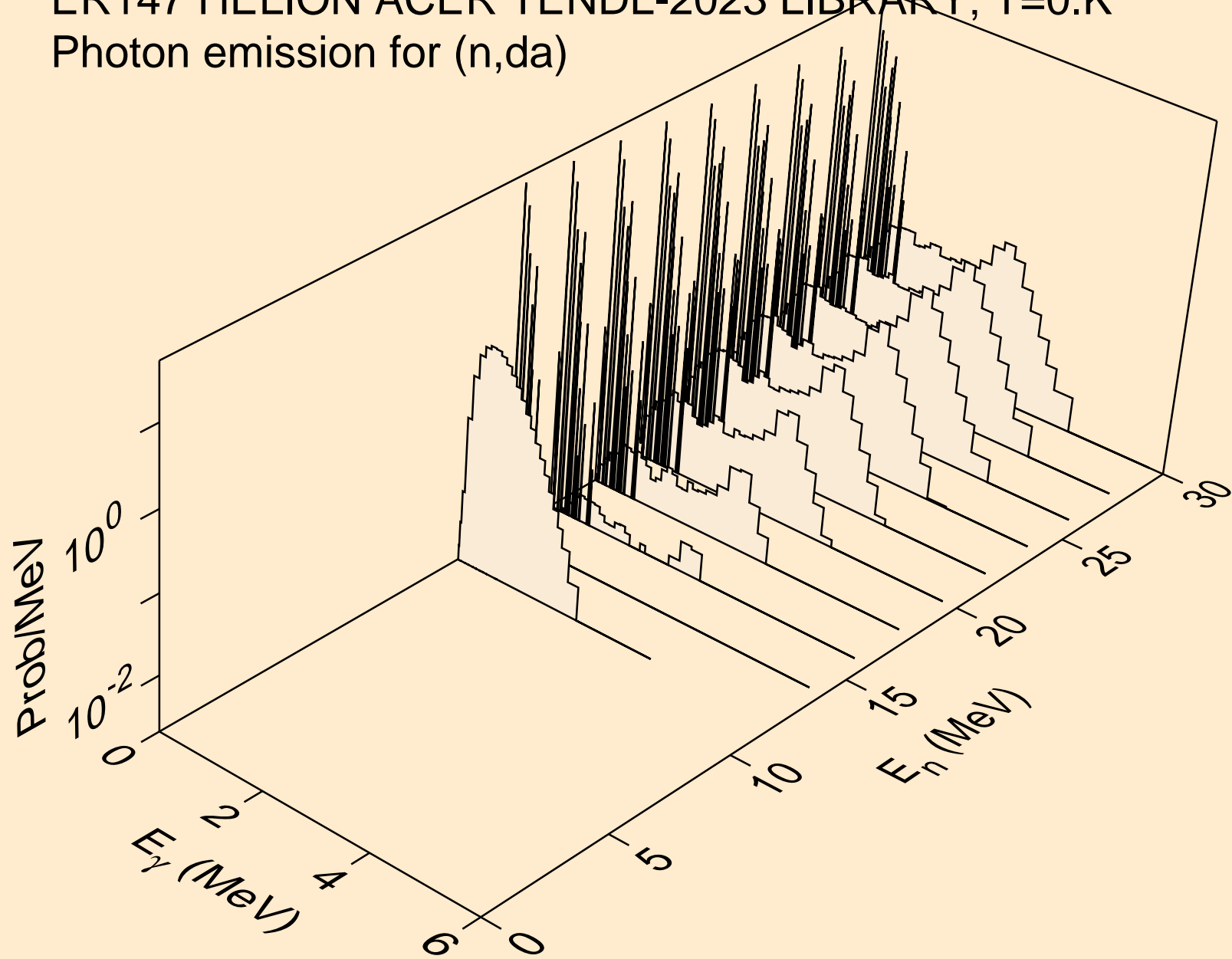
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



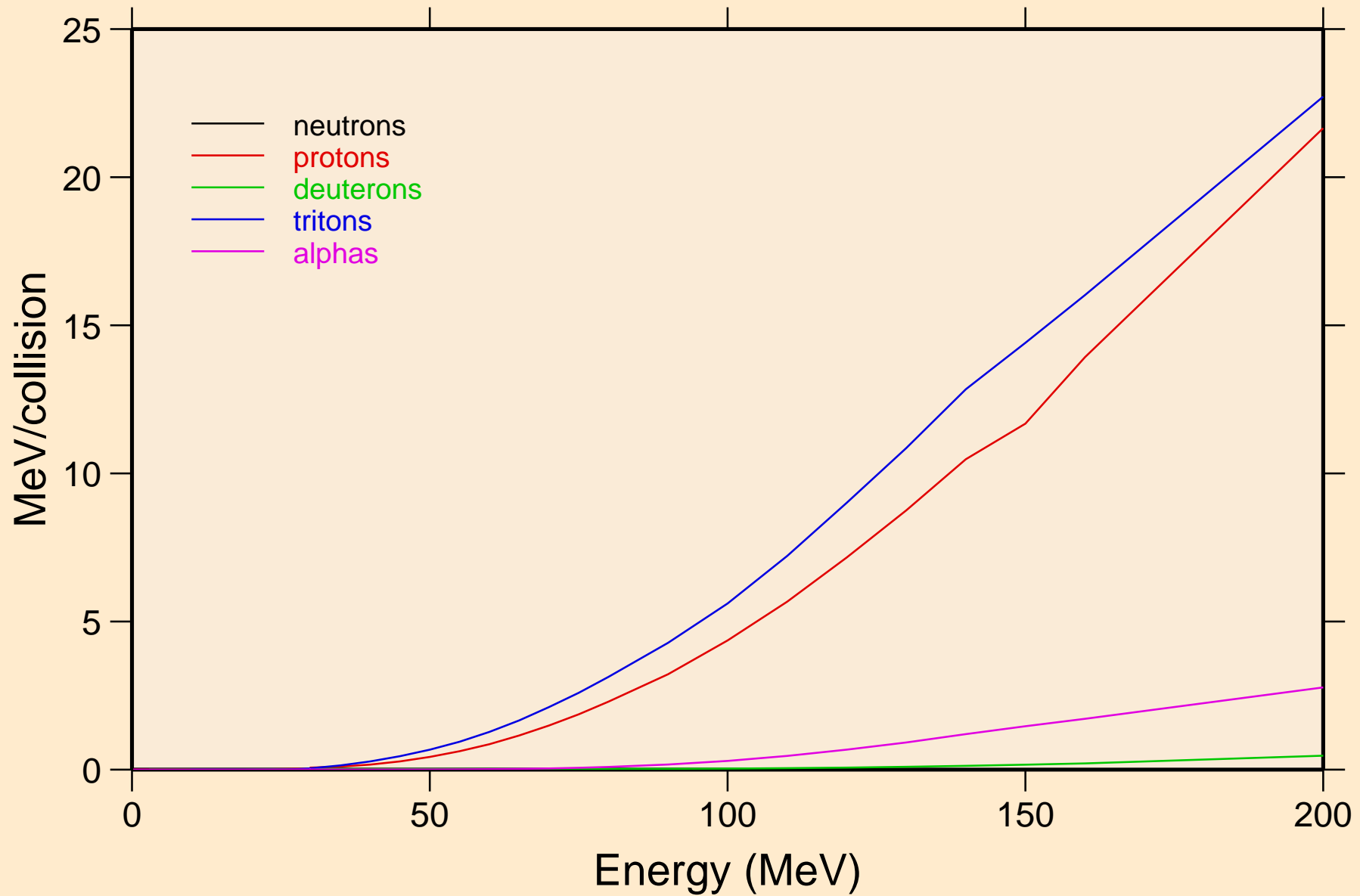
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Photon emission for (n,da)



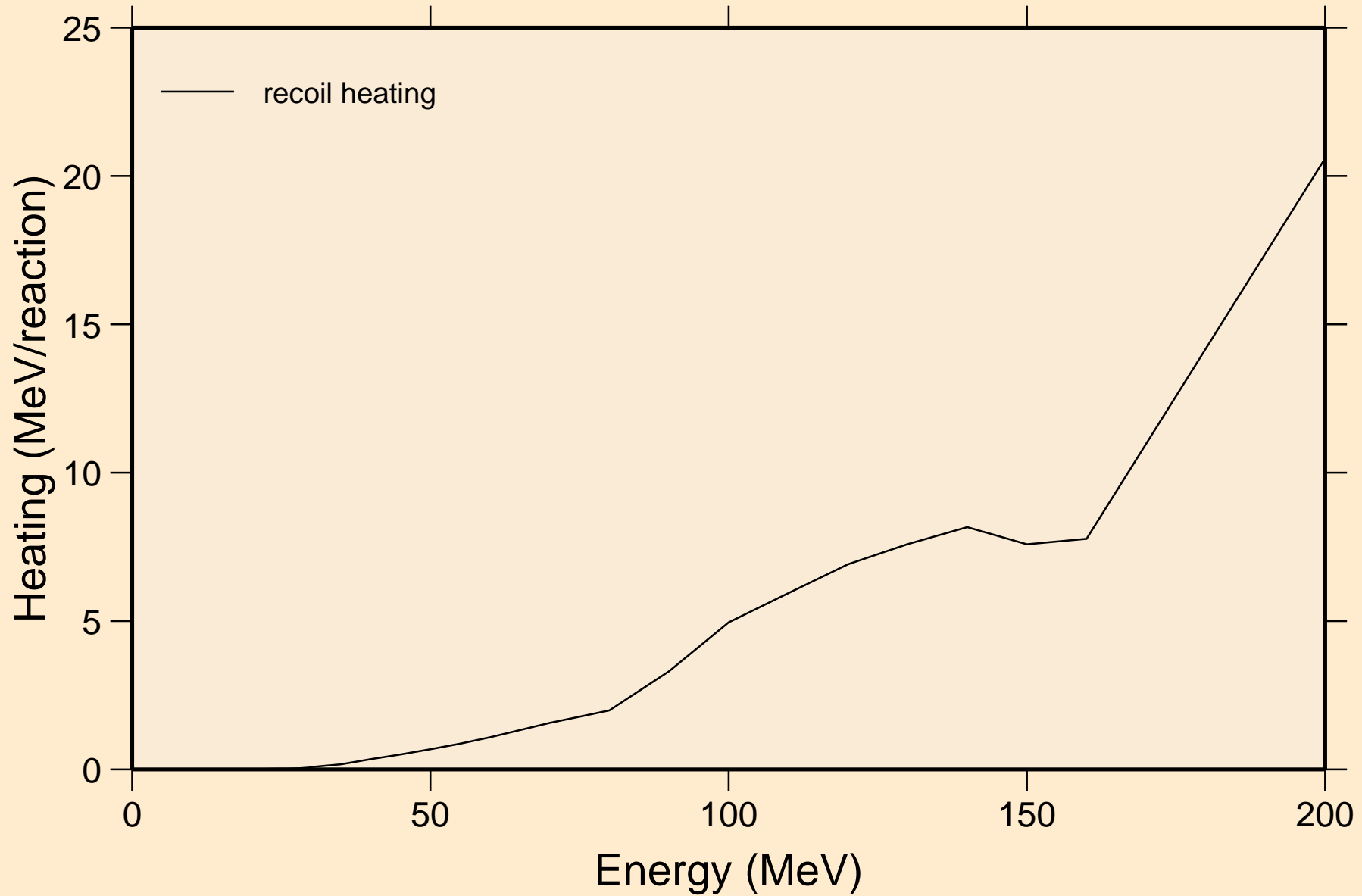


# ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K

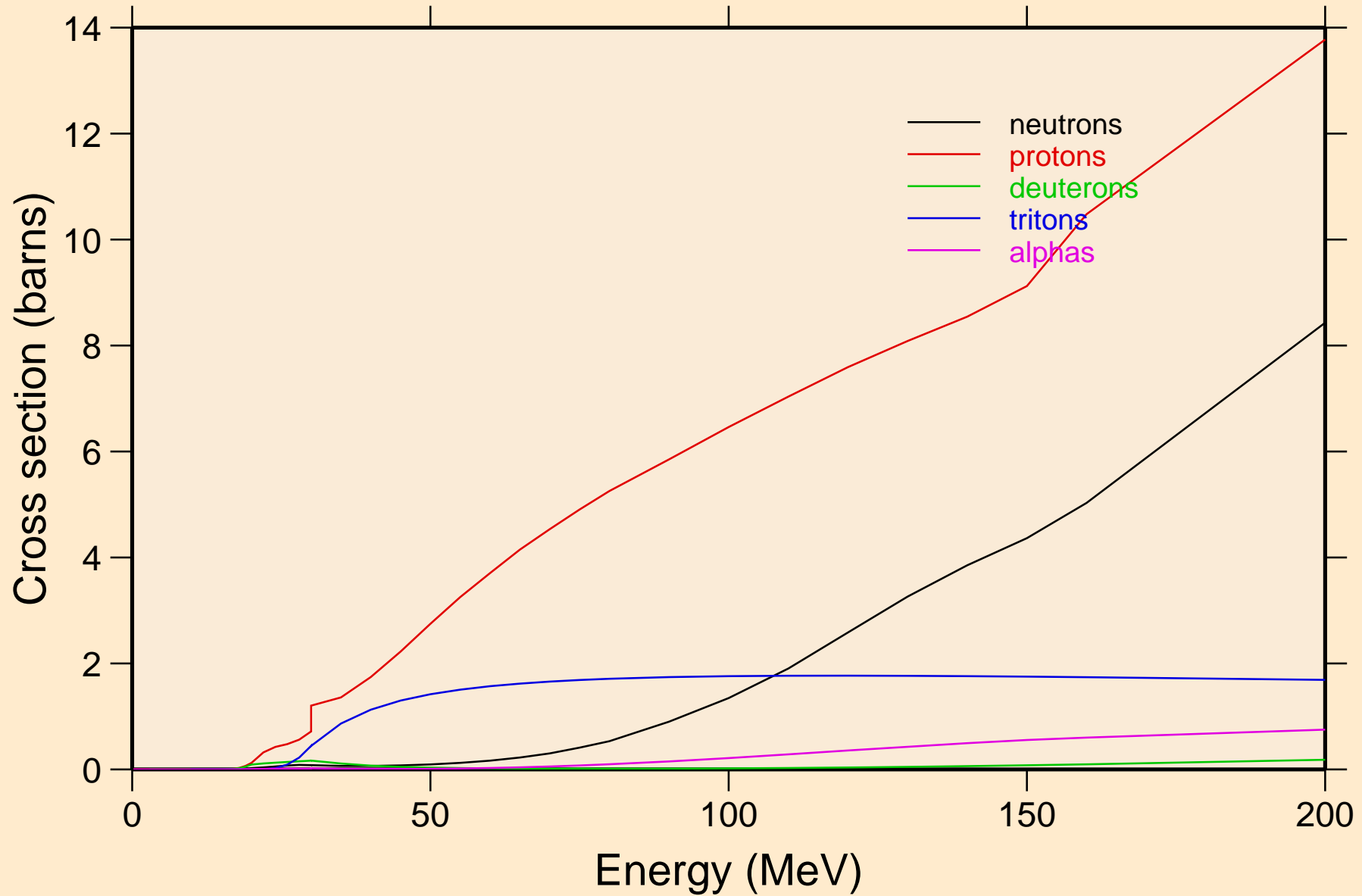
## Particle heating contributions



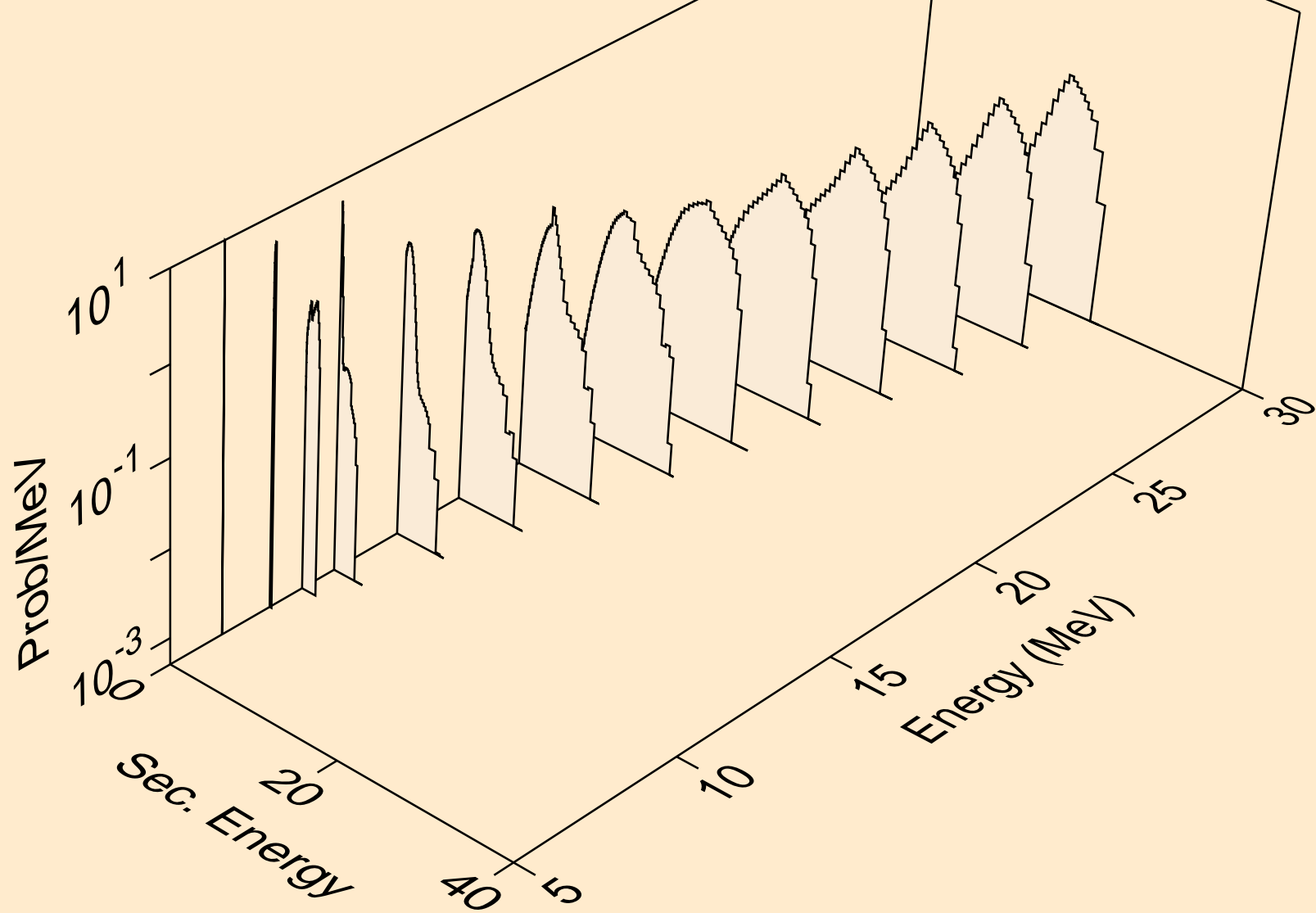
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



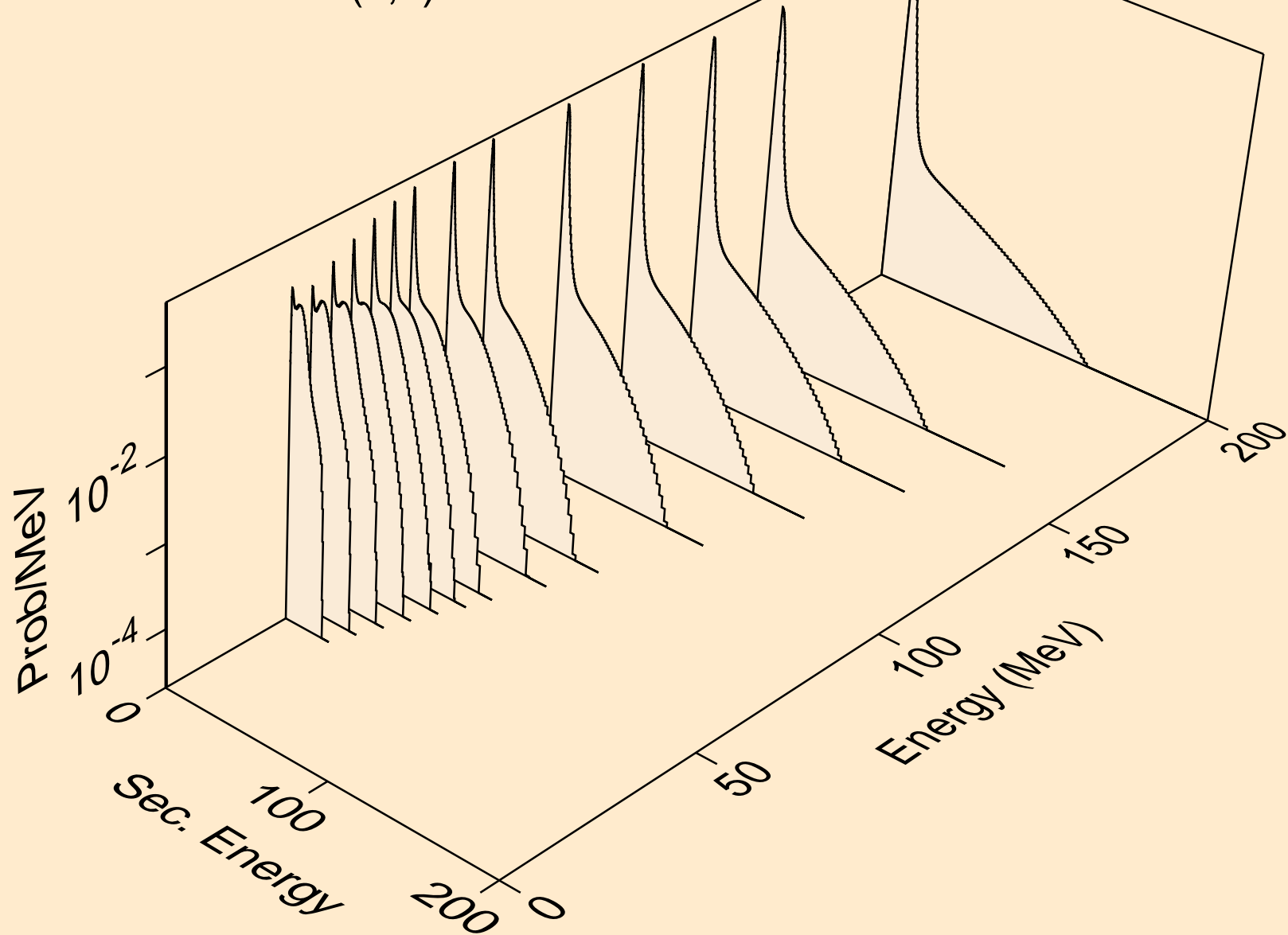
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



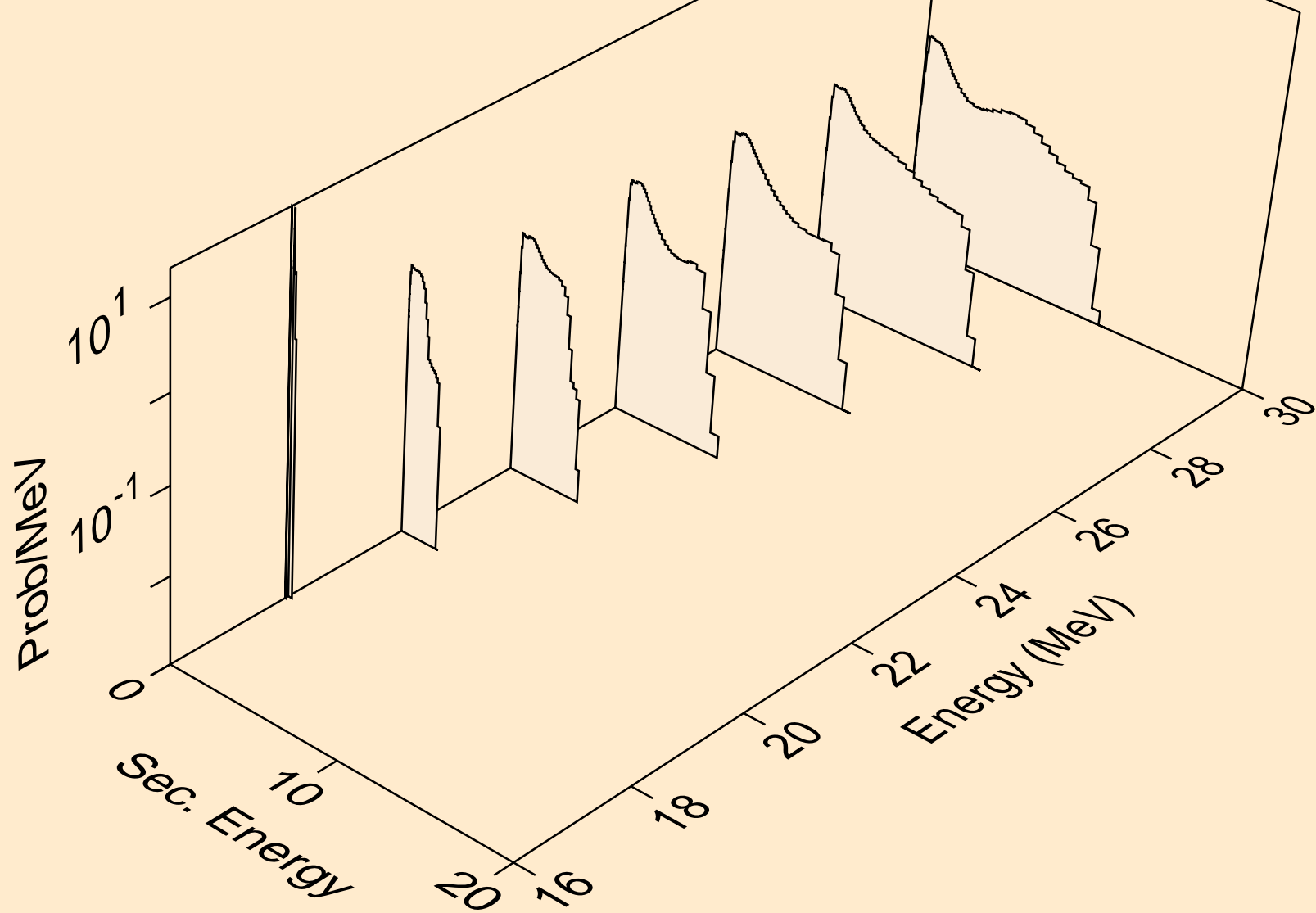
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



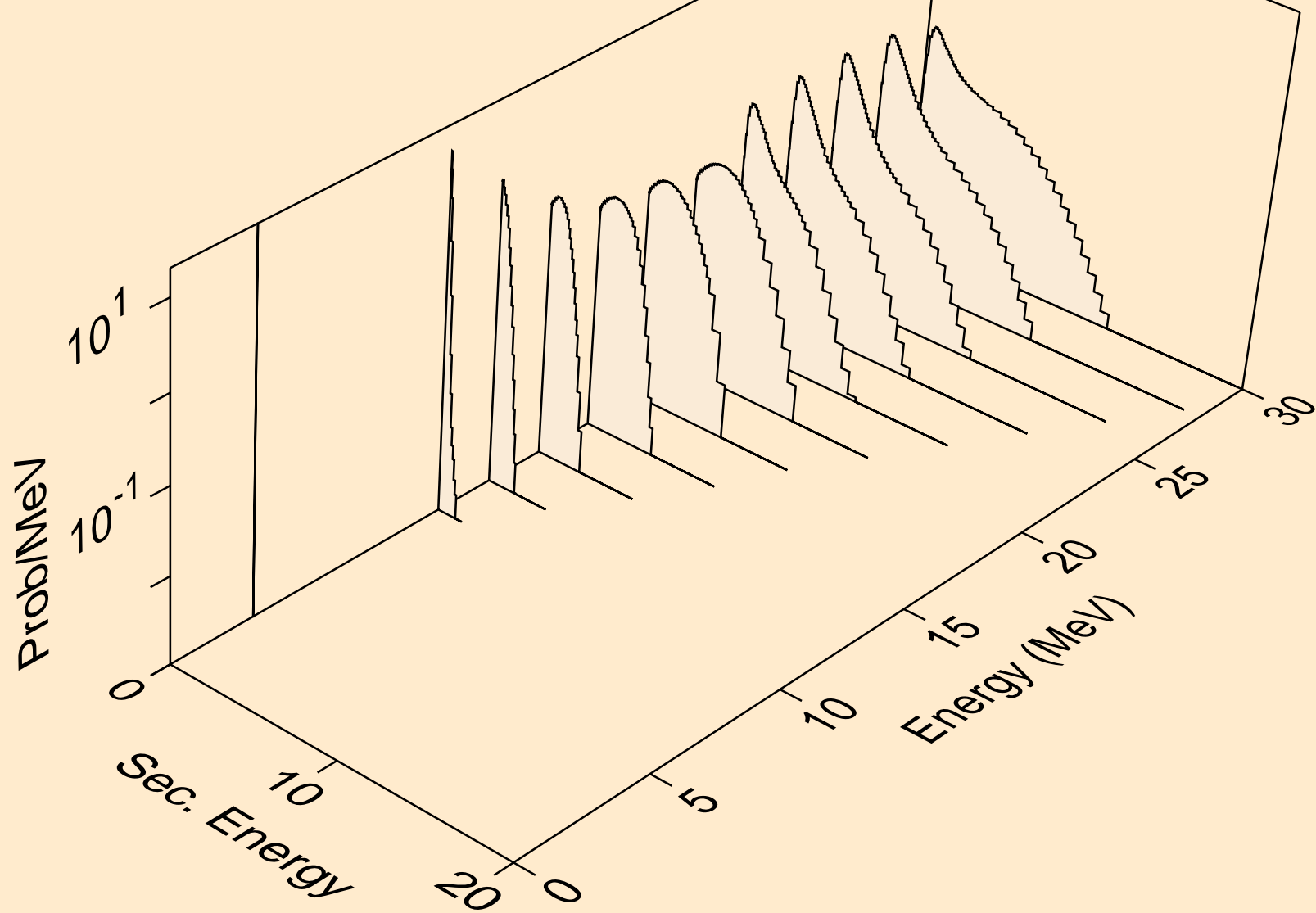
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



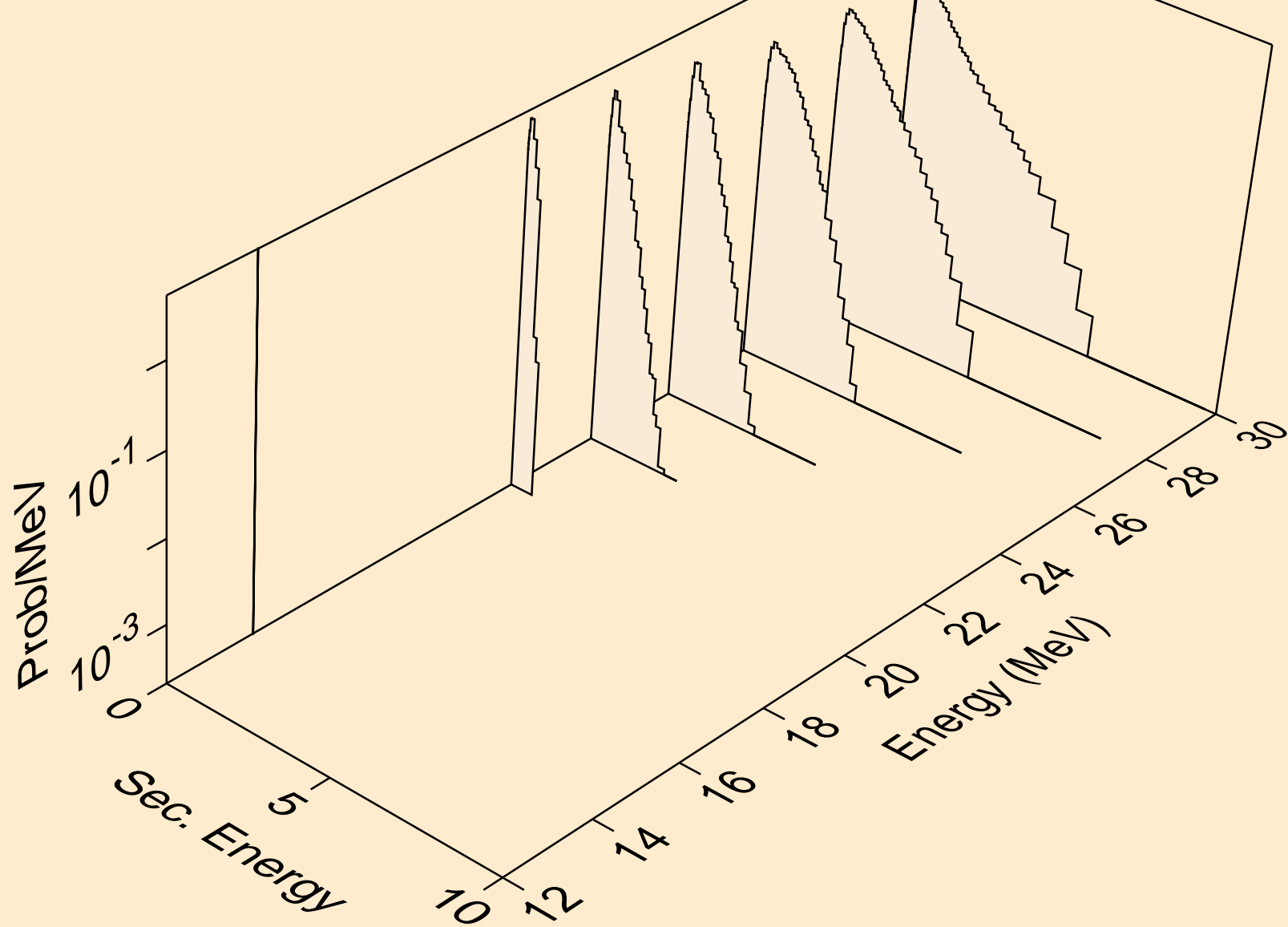
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

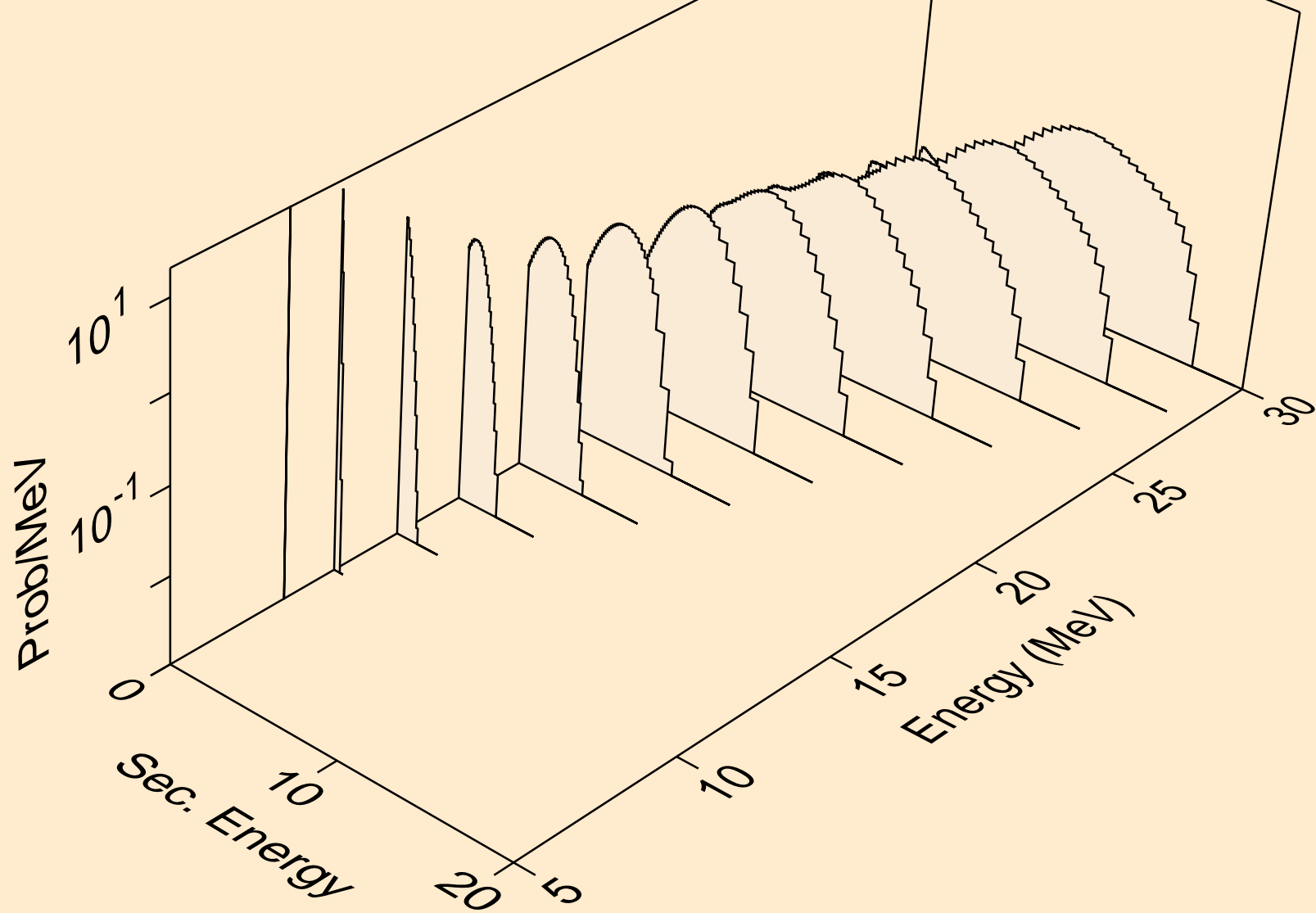


ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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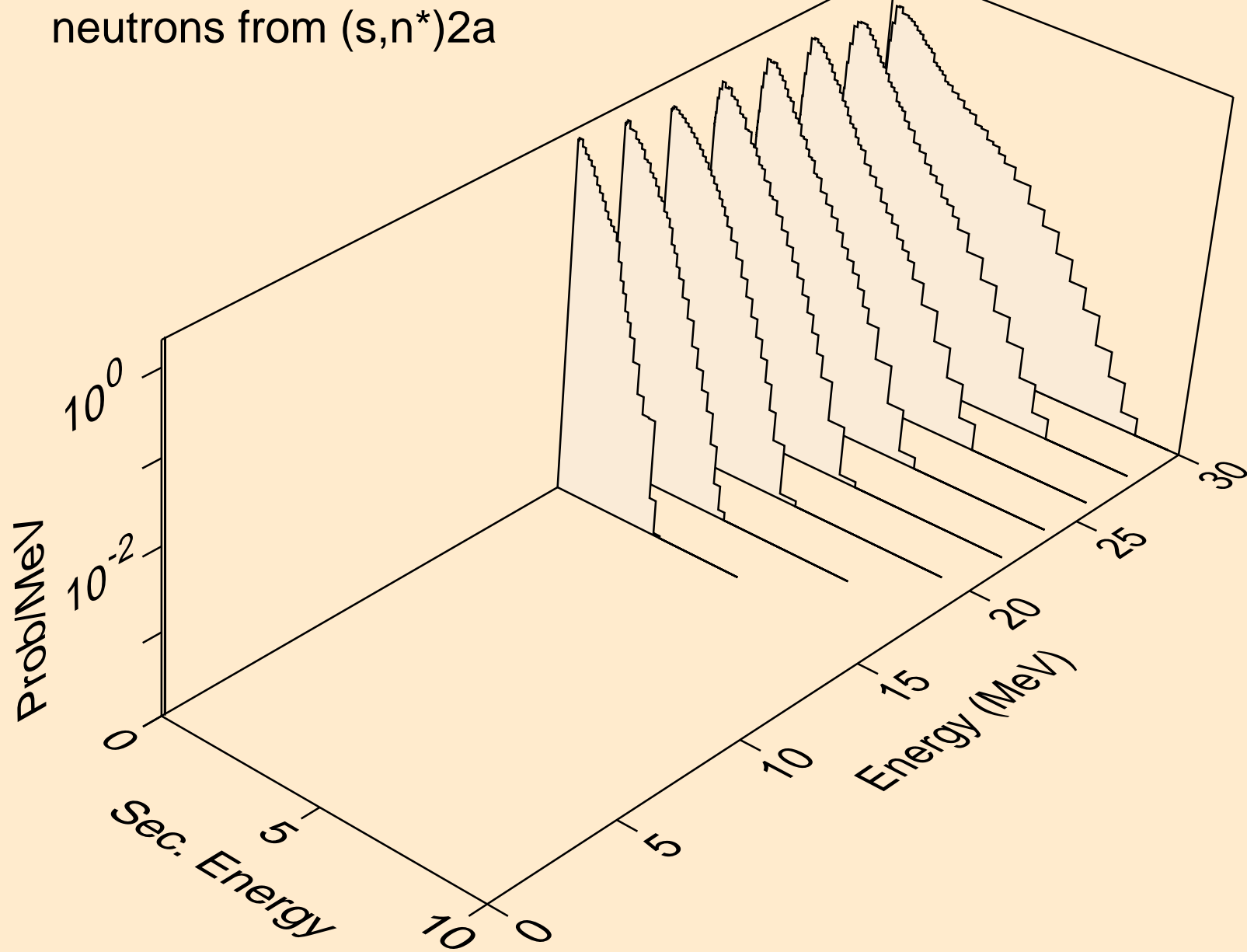




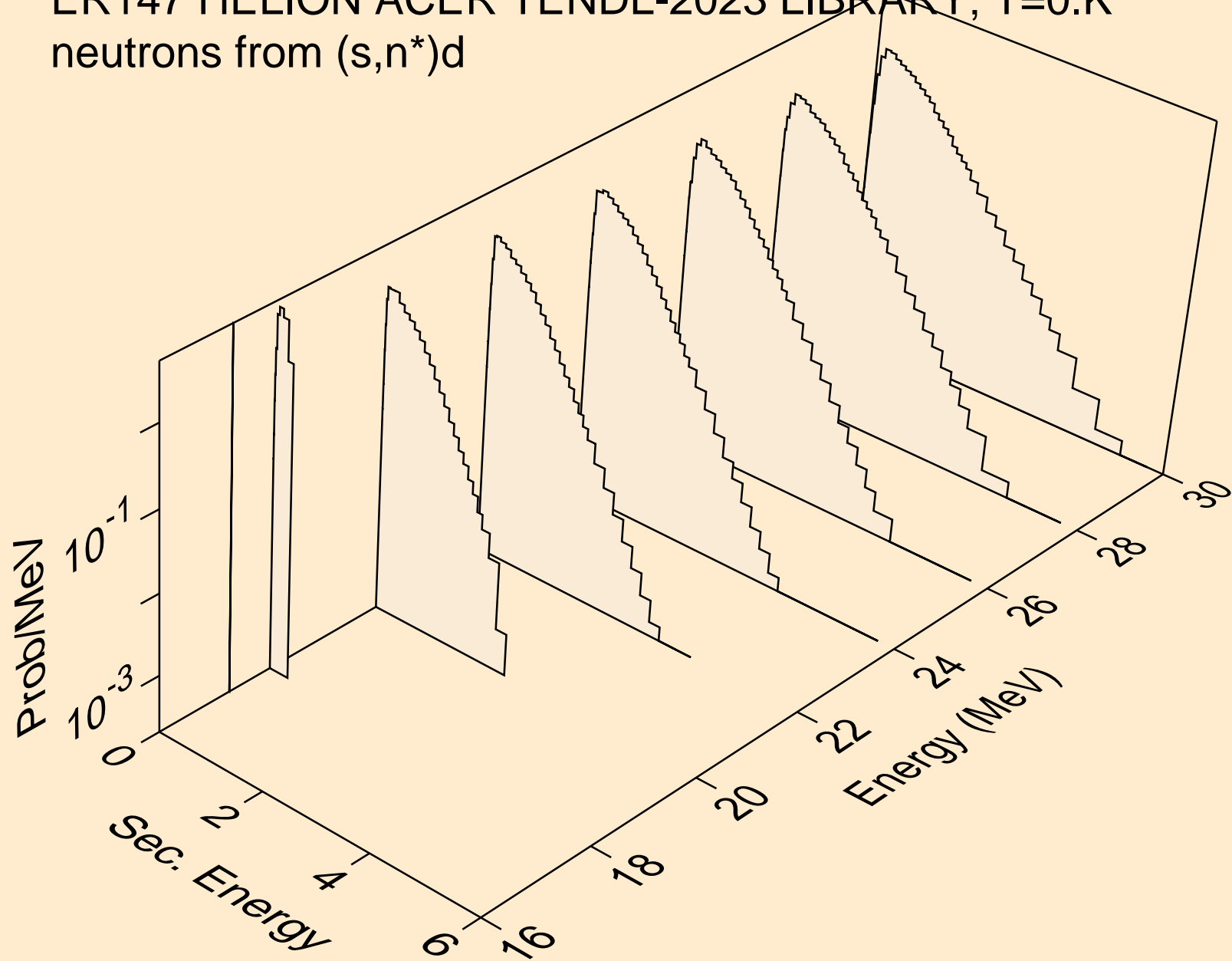
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neutrons from (s,n\*)p



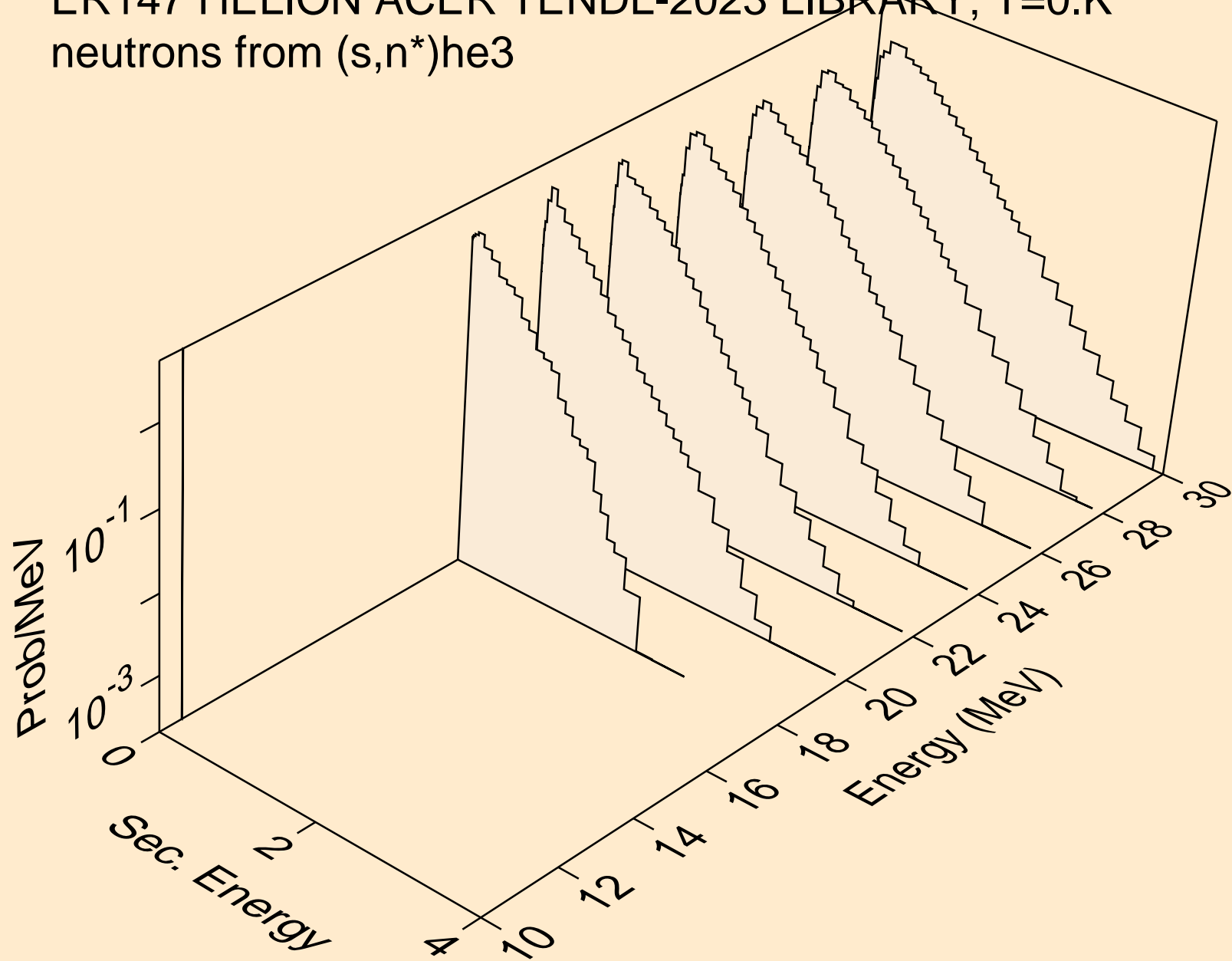
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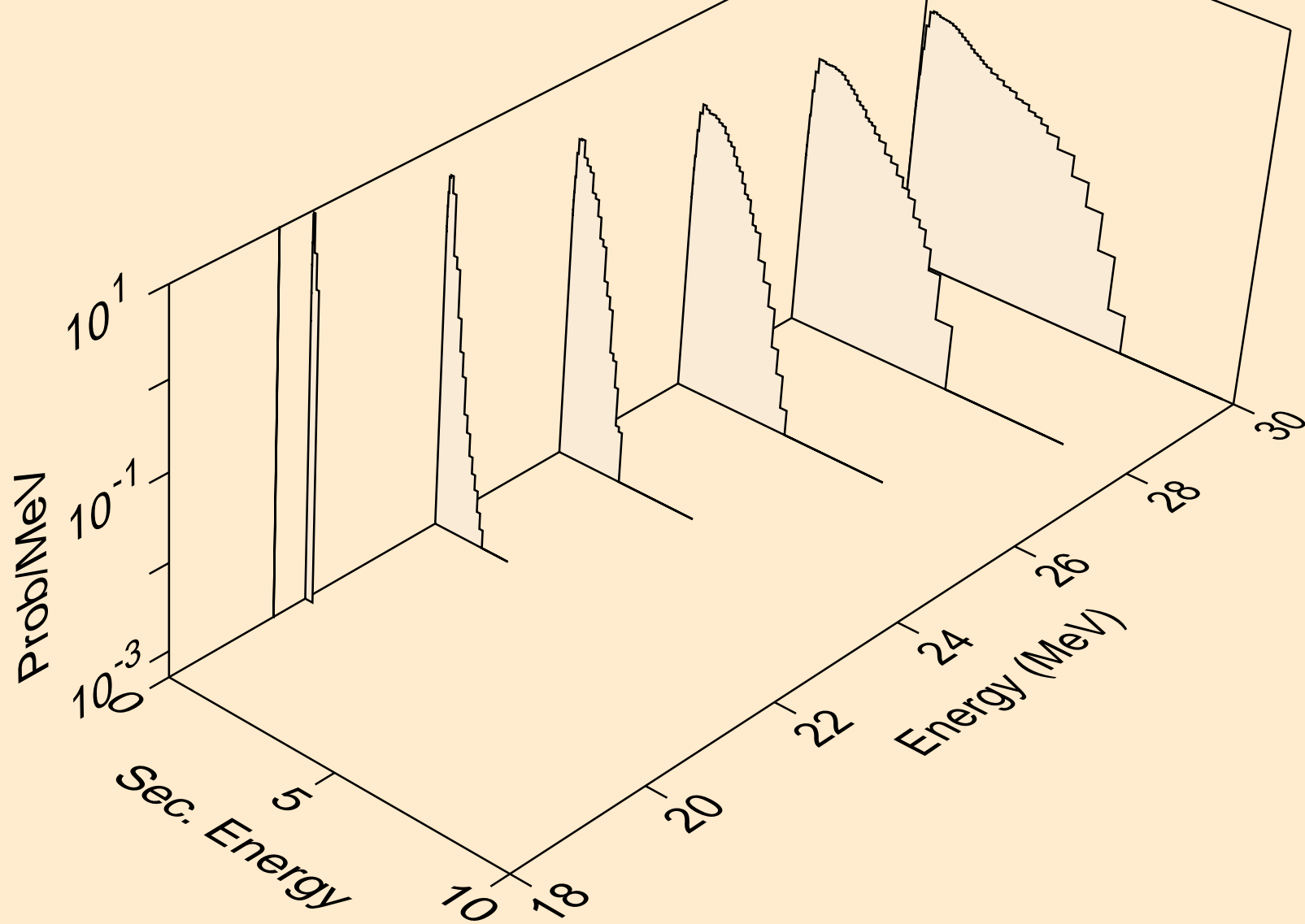
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)d



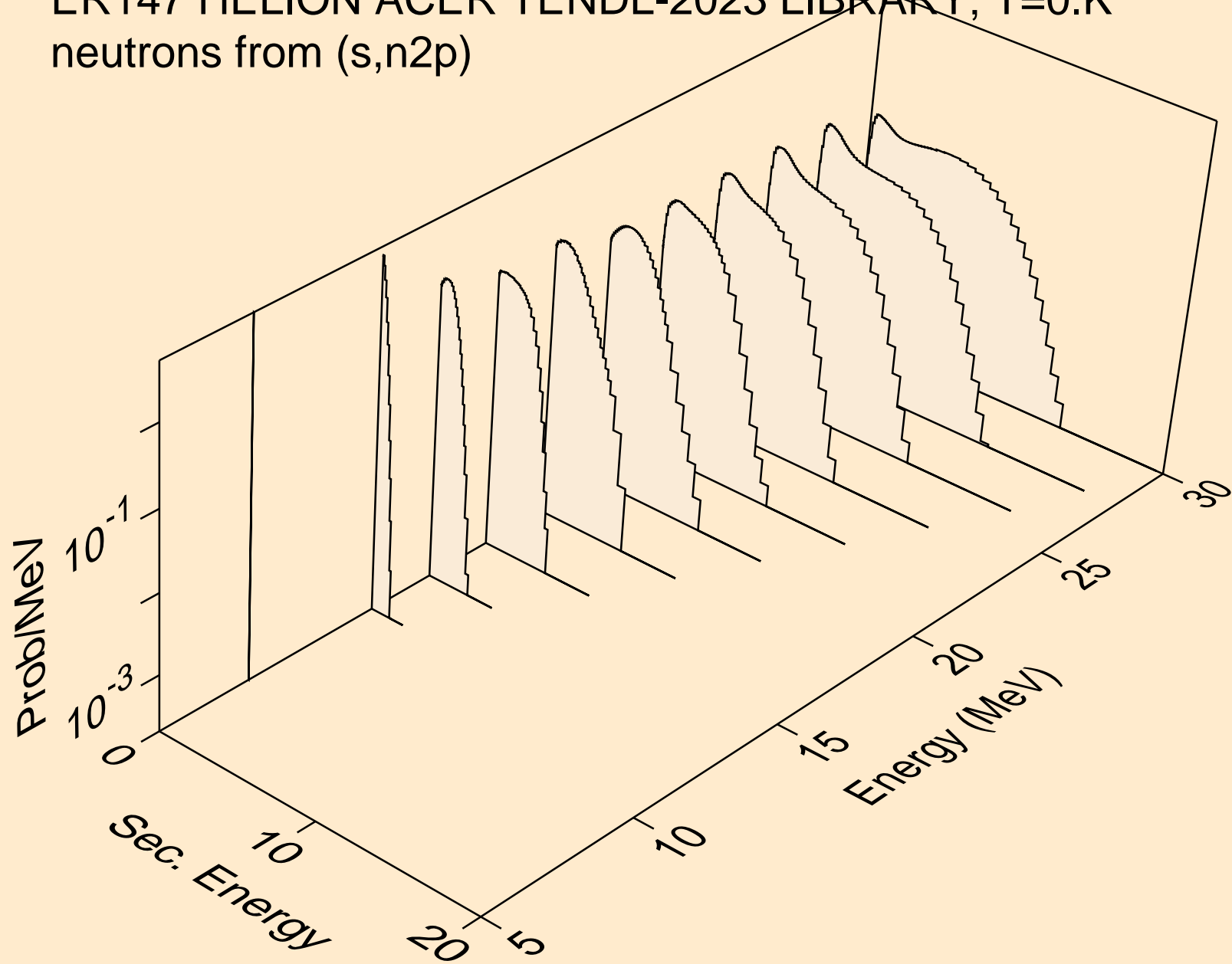
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



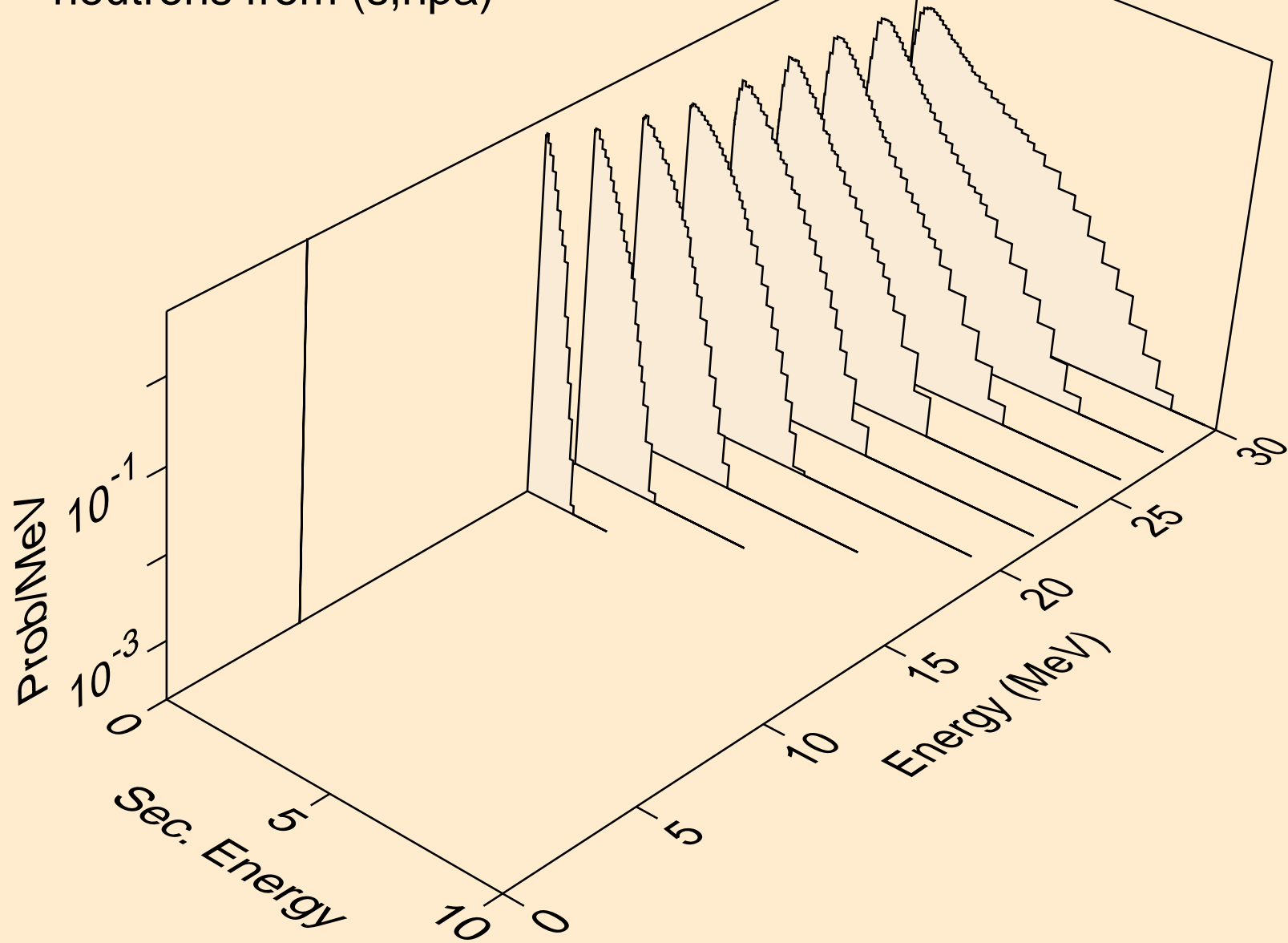
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neutrons from (s,2np)



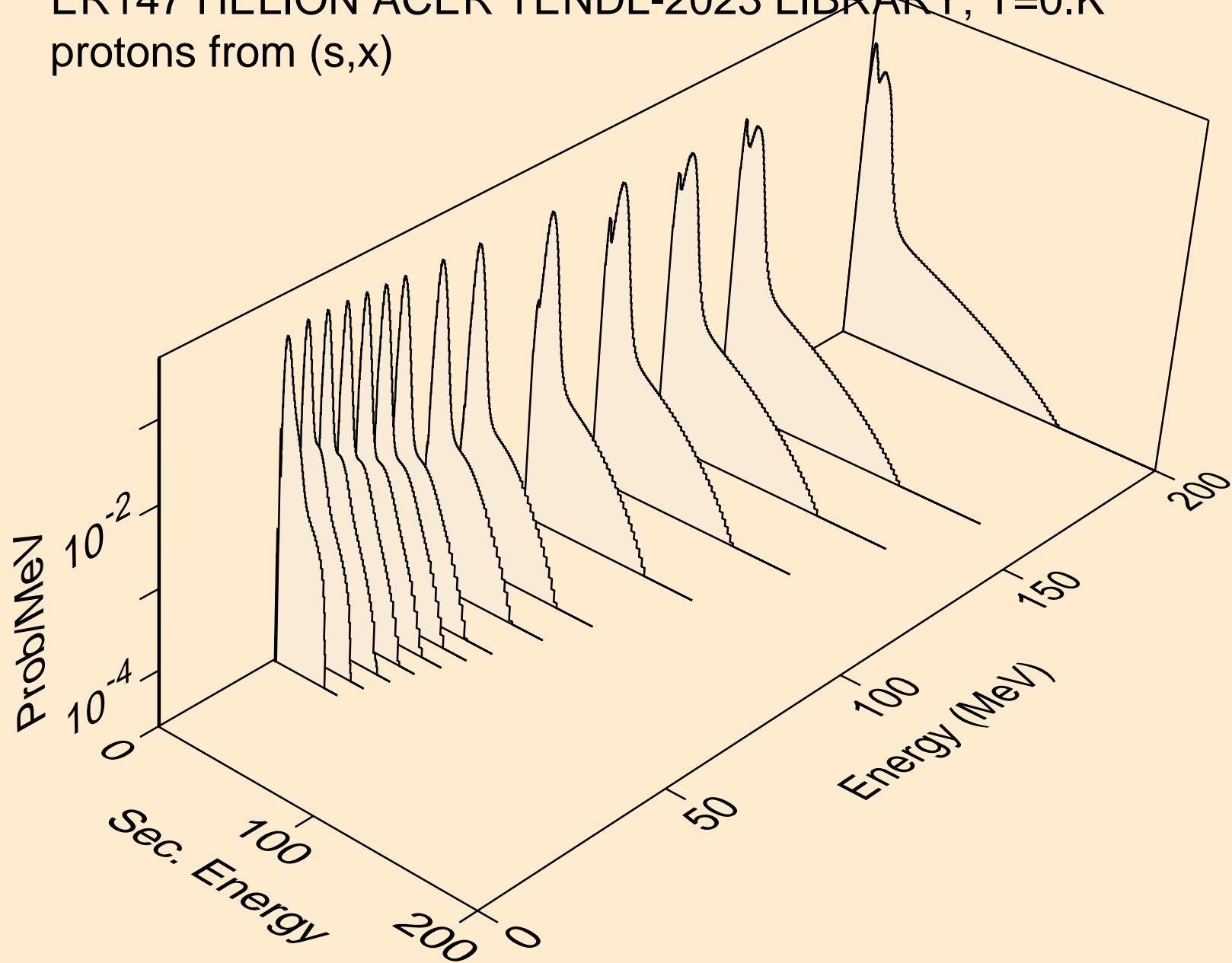
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)

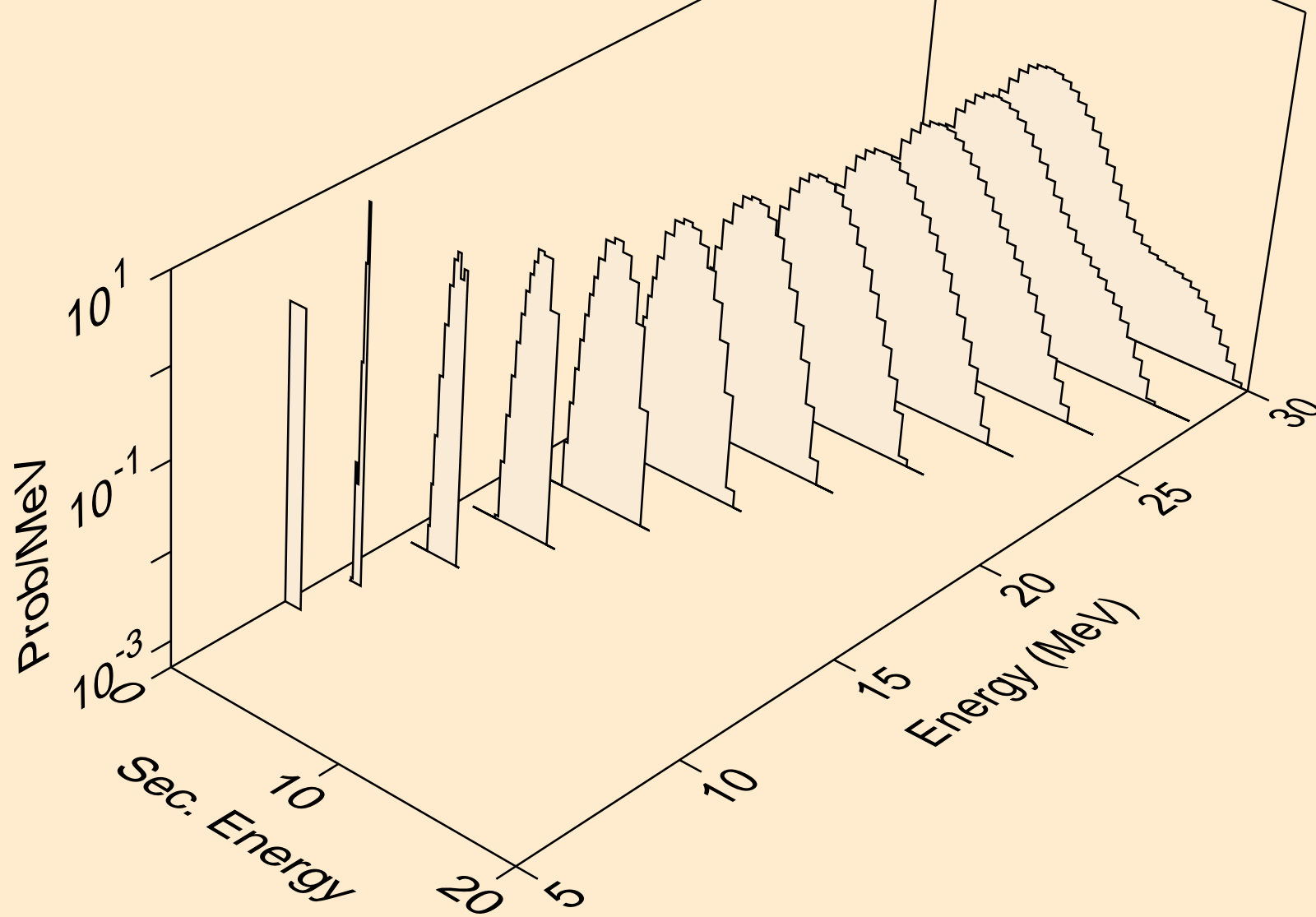


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protons from (s,x)

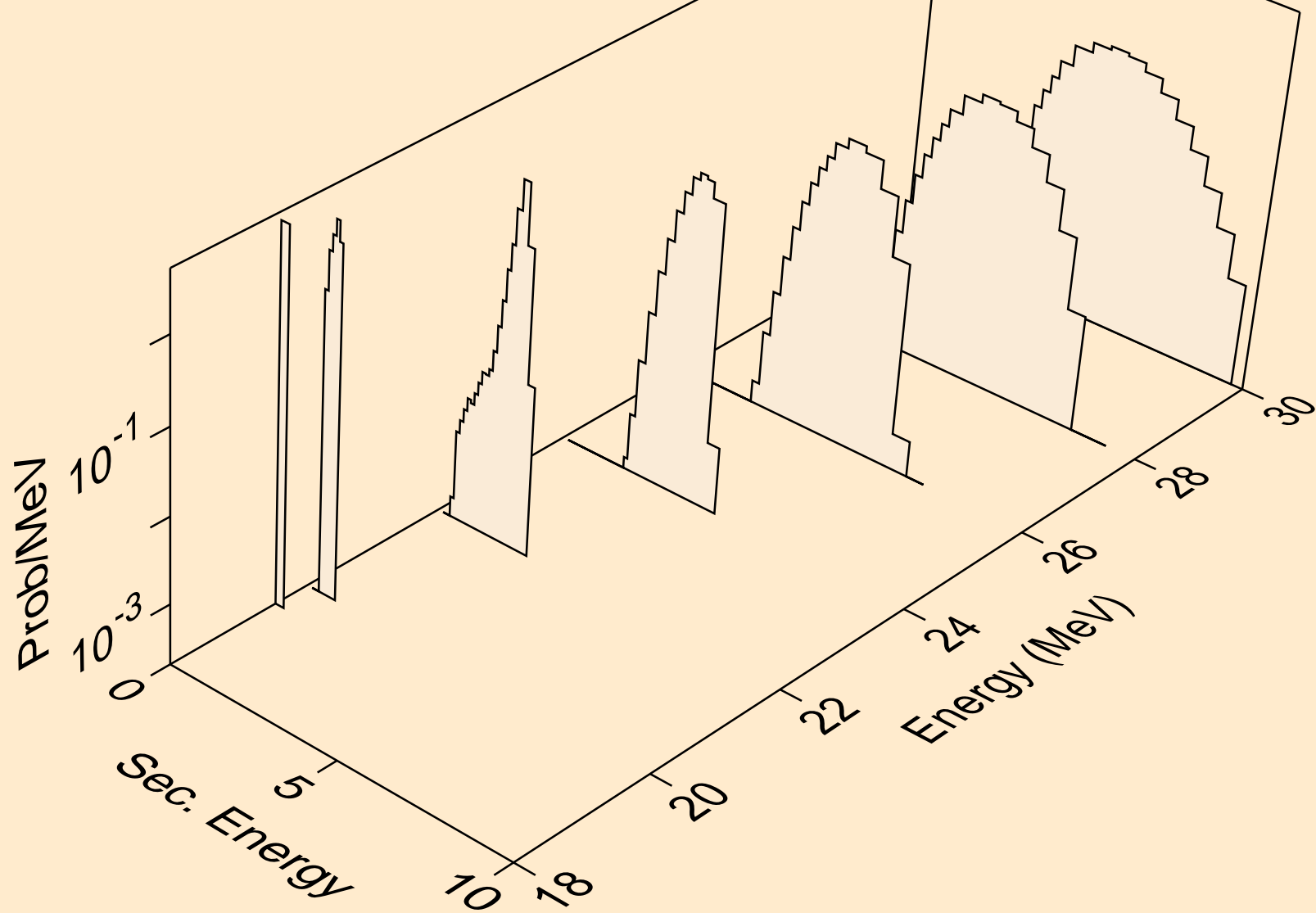




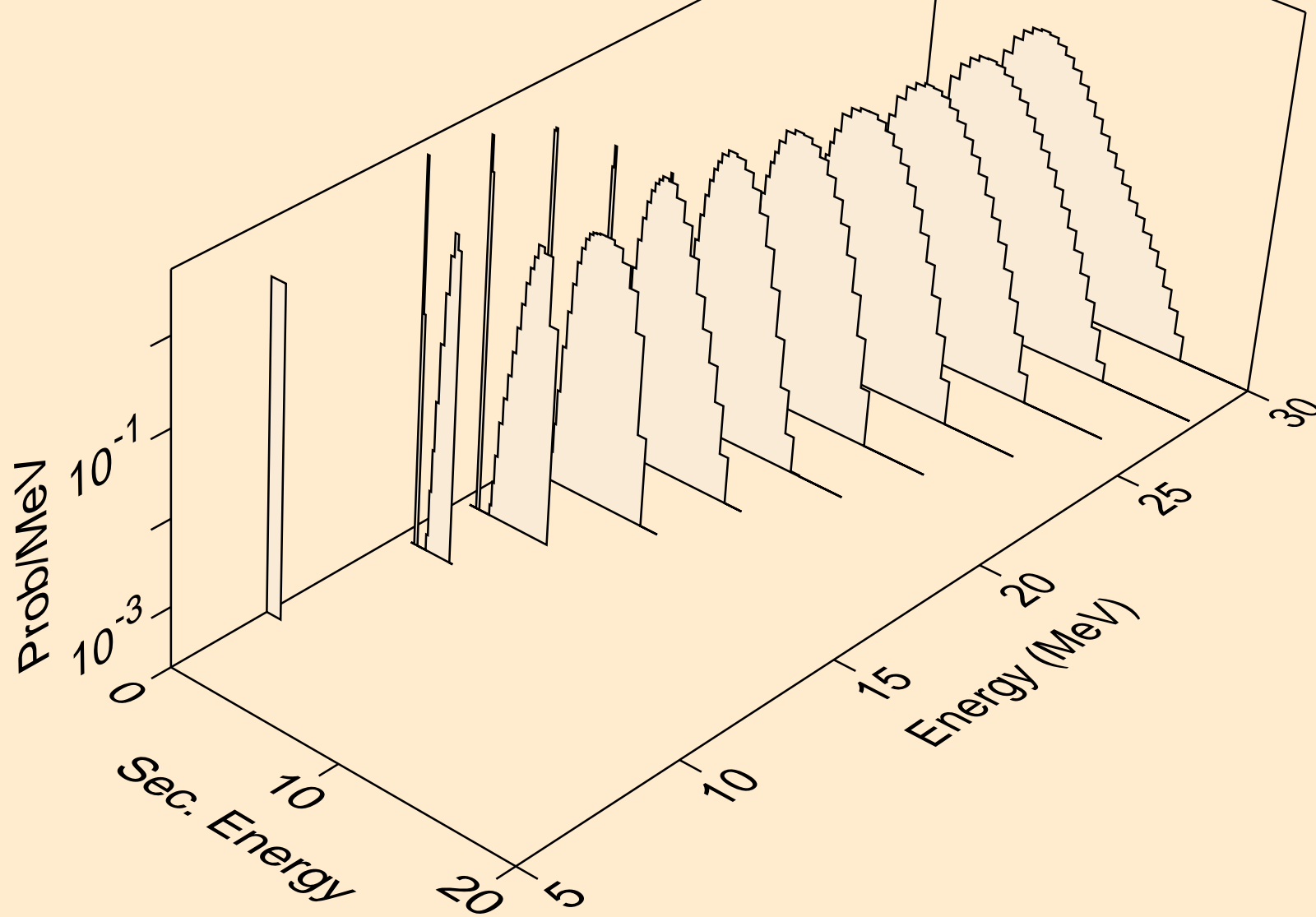
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protons from (s,n\*)p



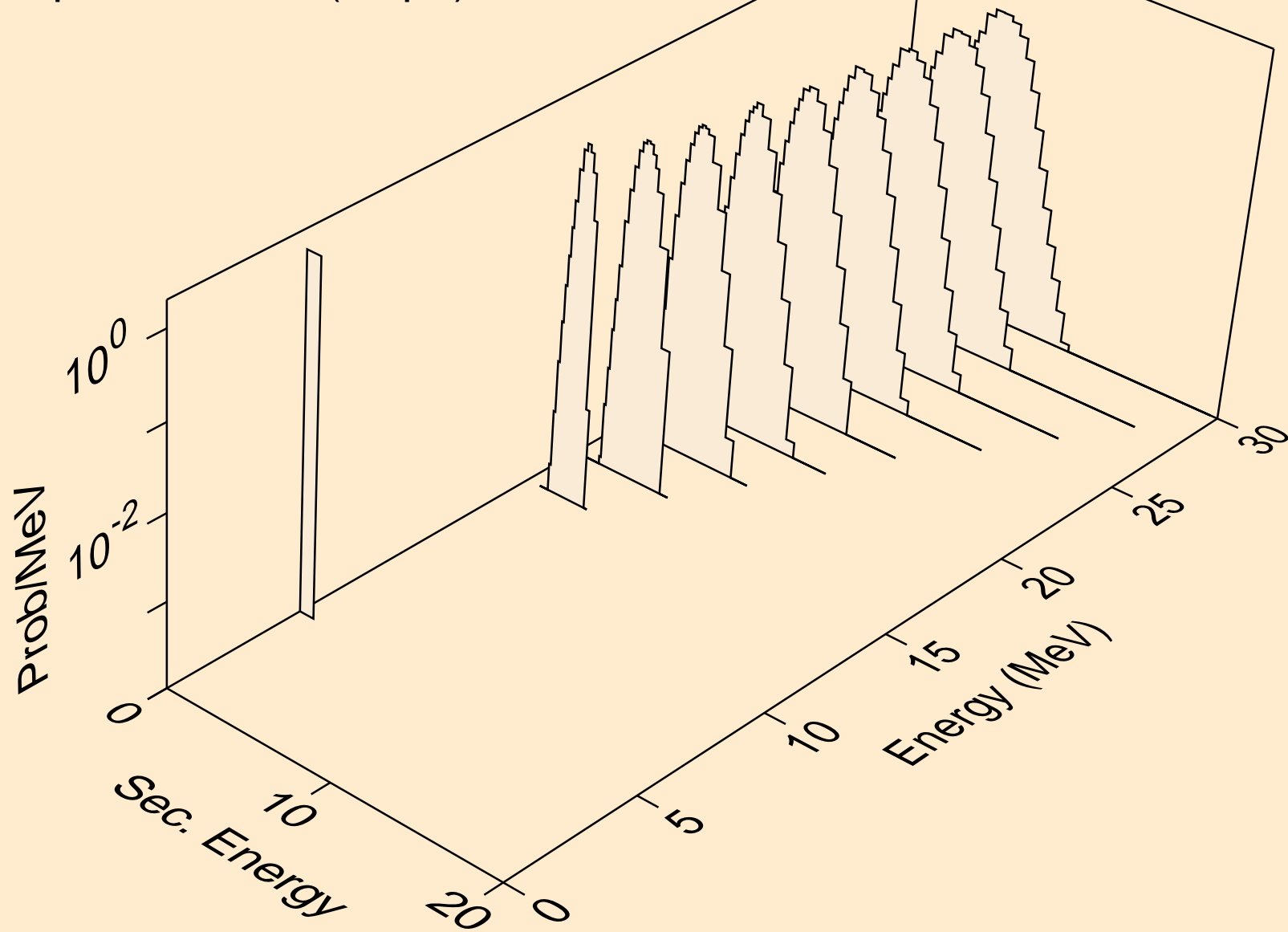
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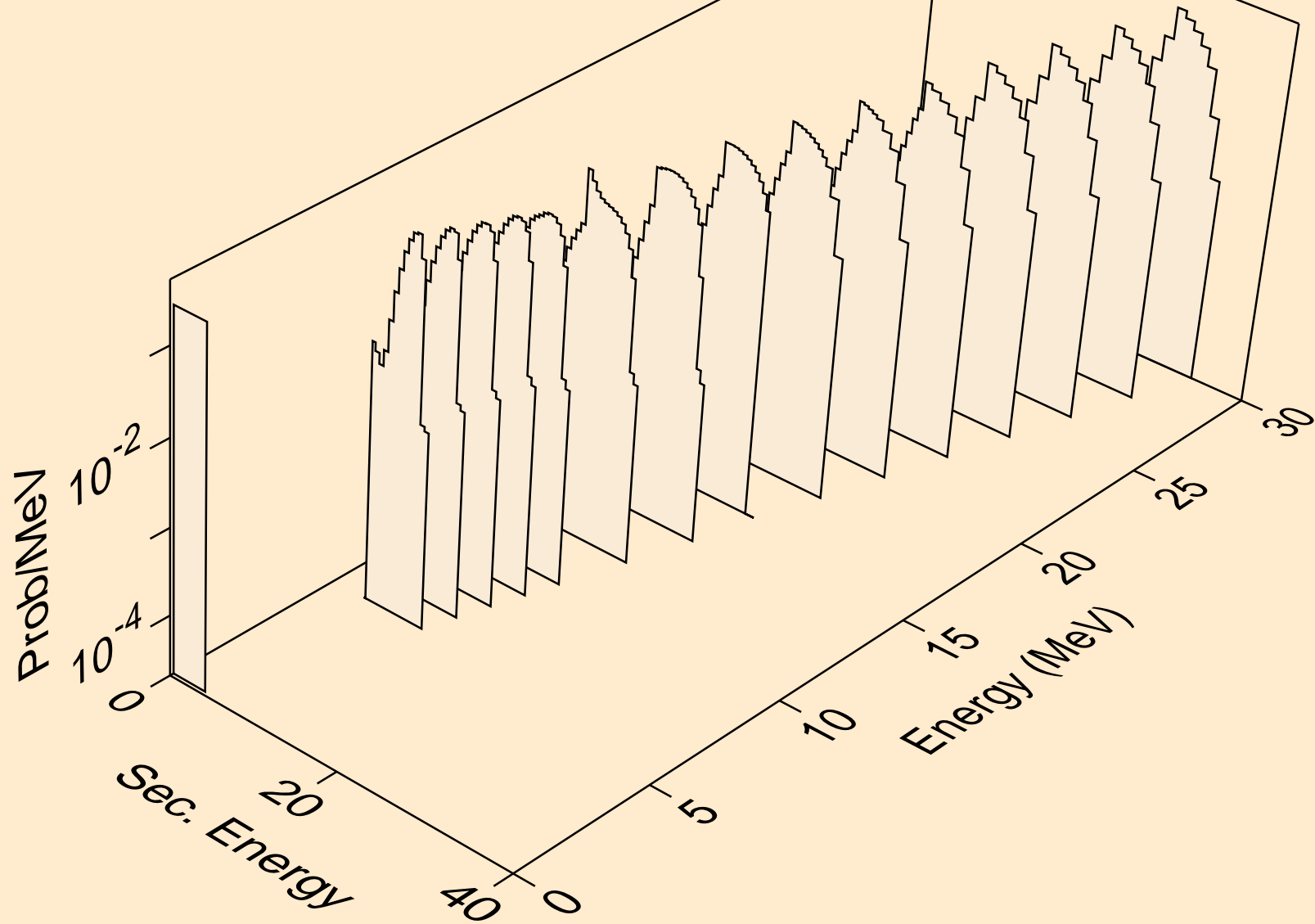
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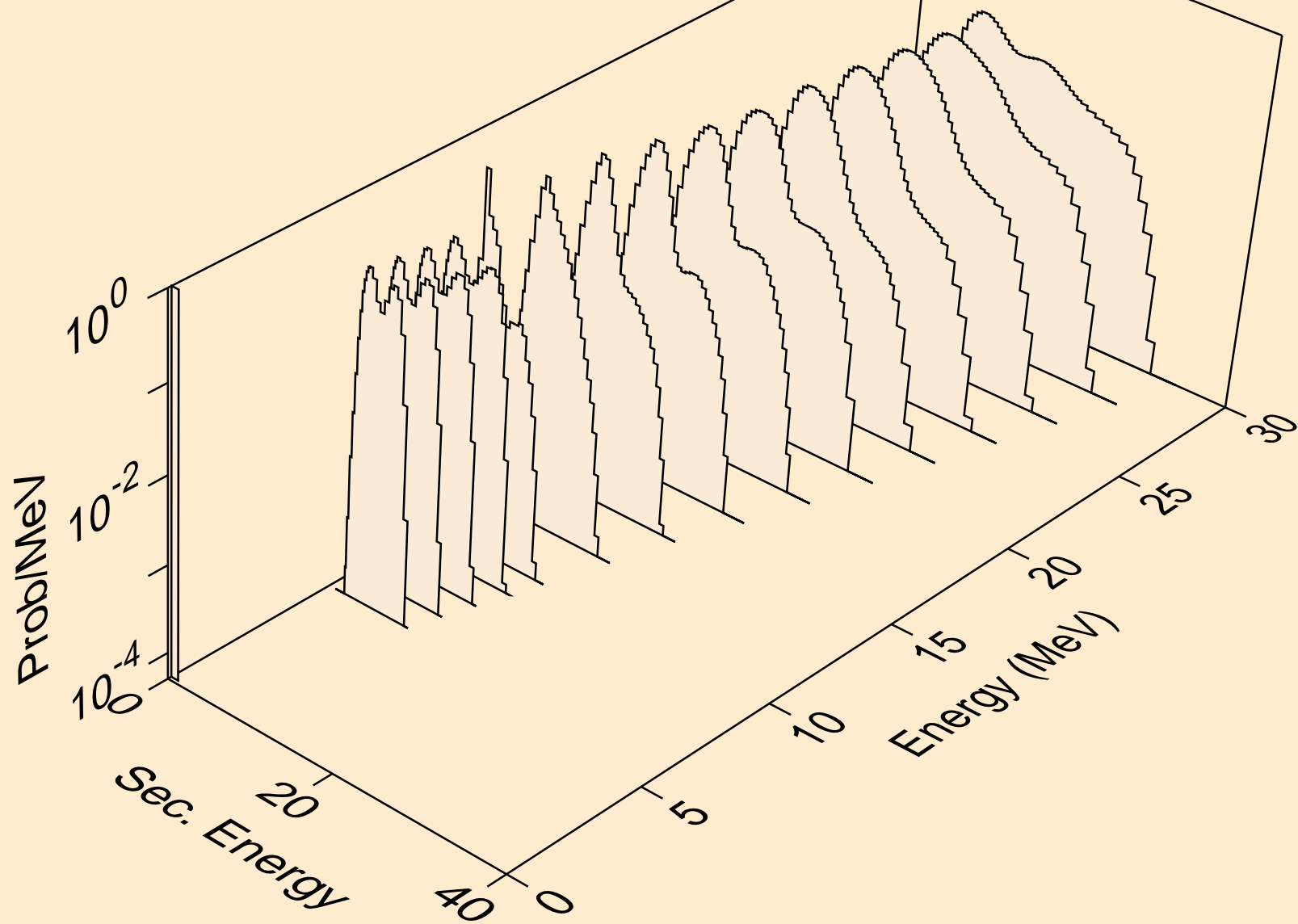
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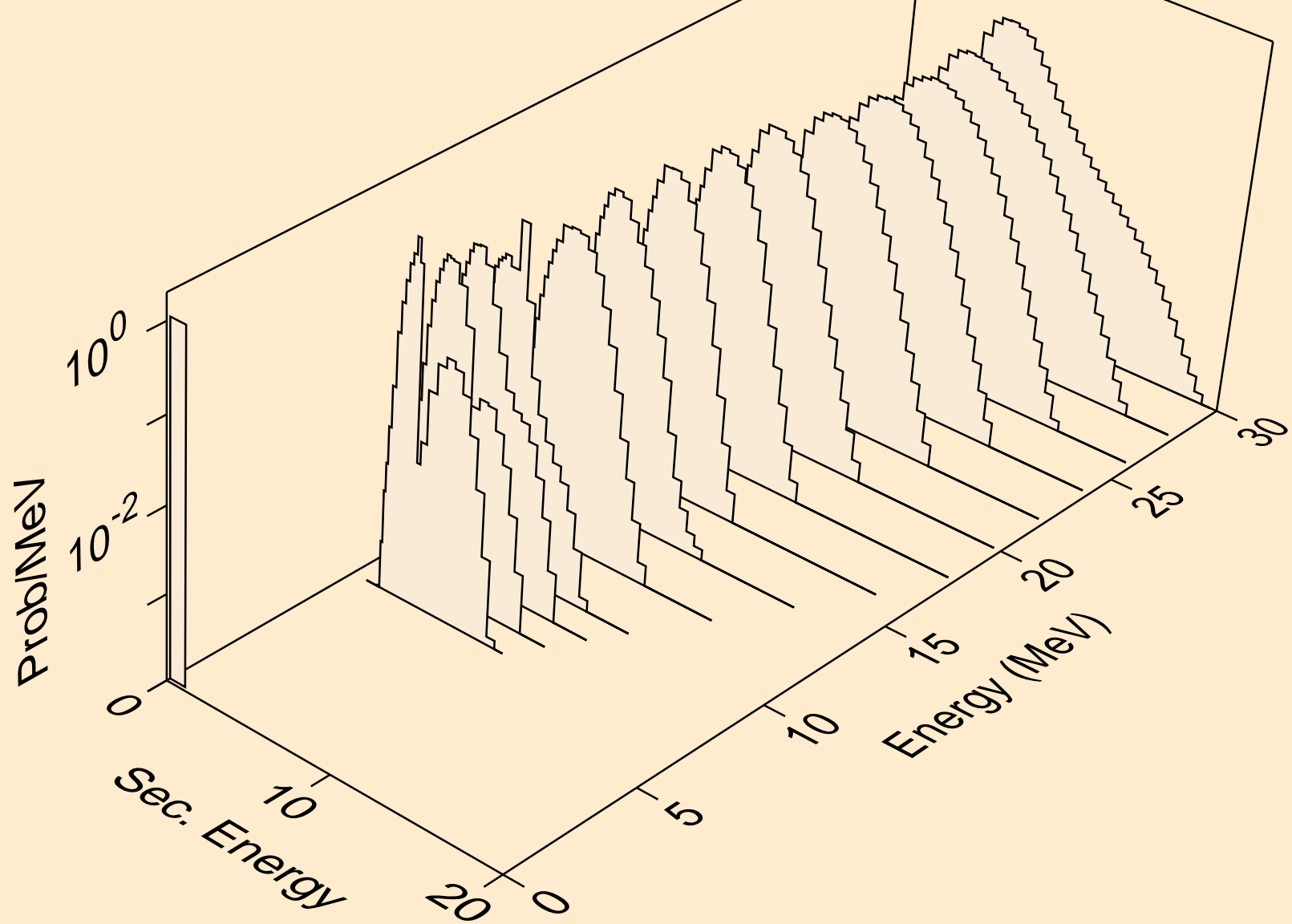
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protons from (s,p)



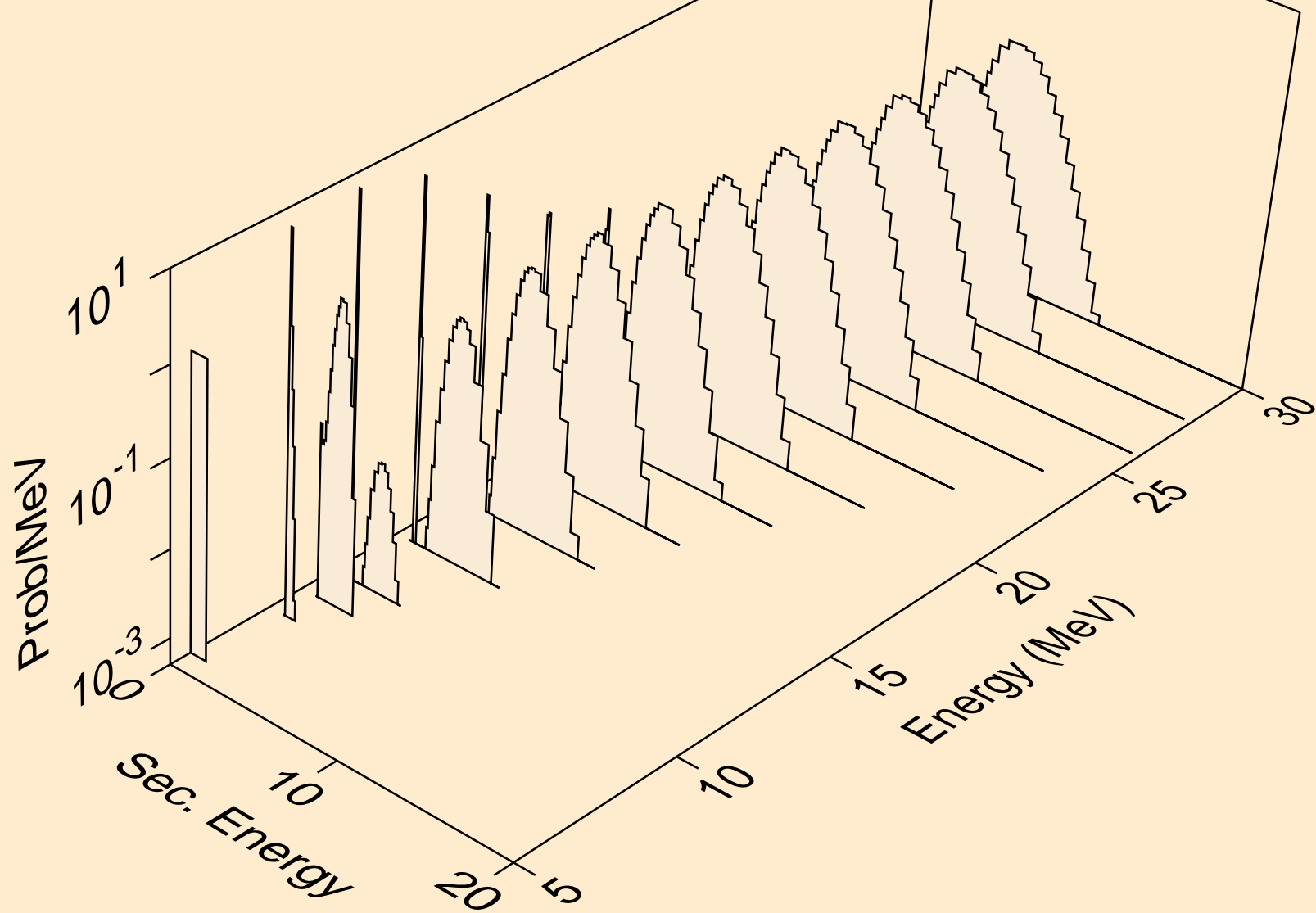
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2p)



ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pa)

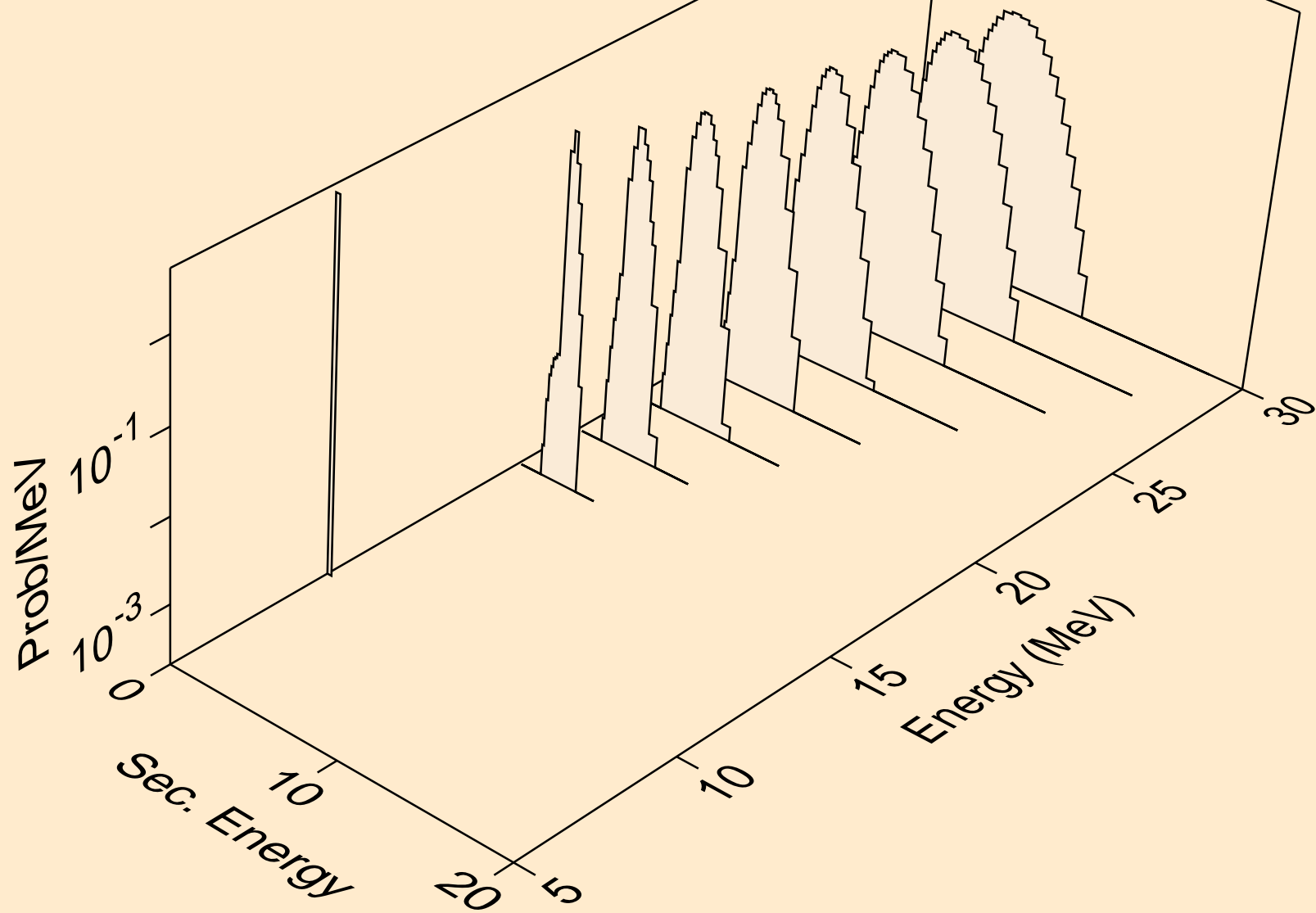


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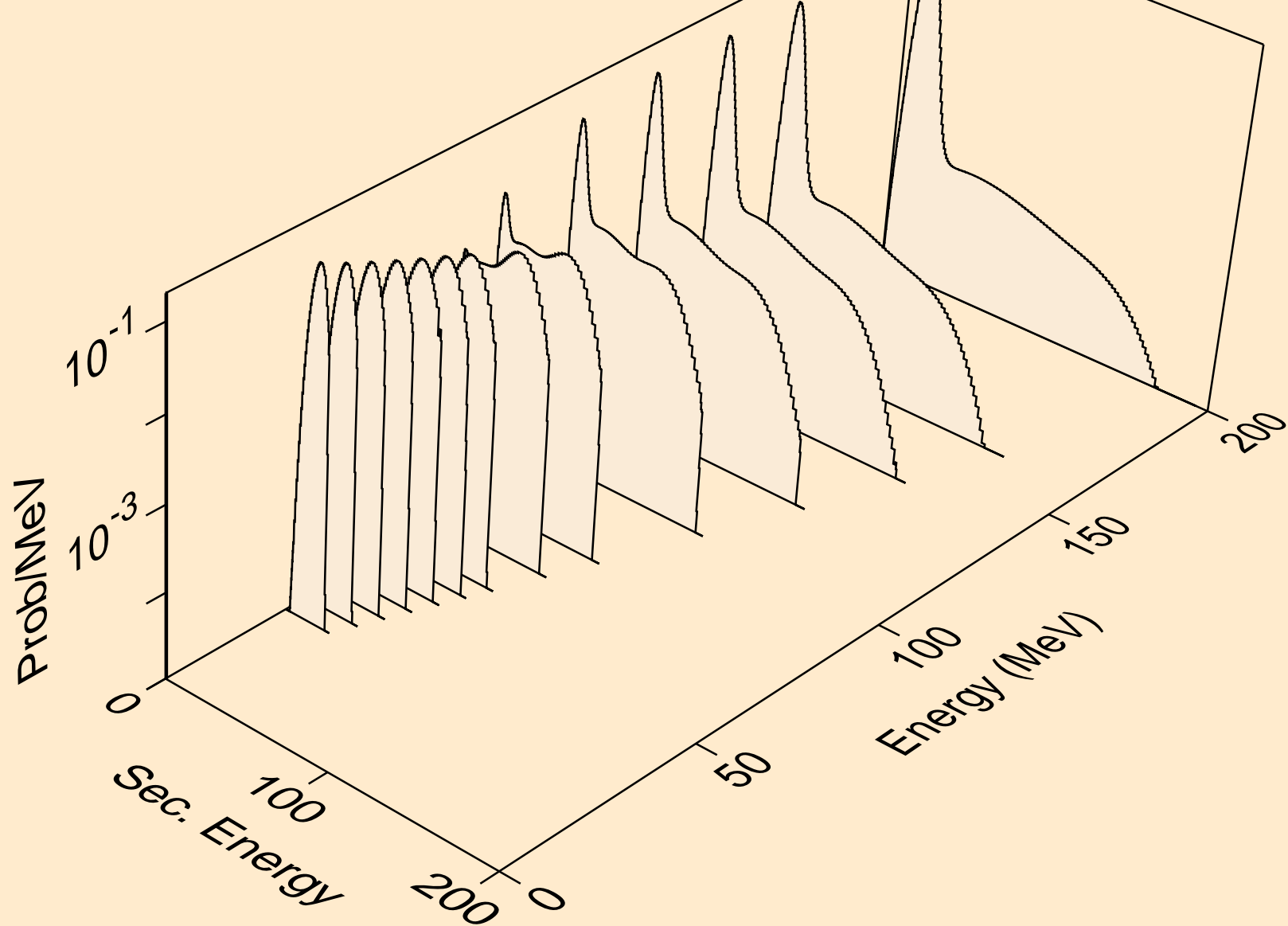




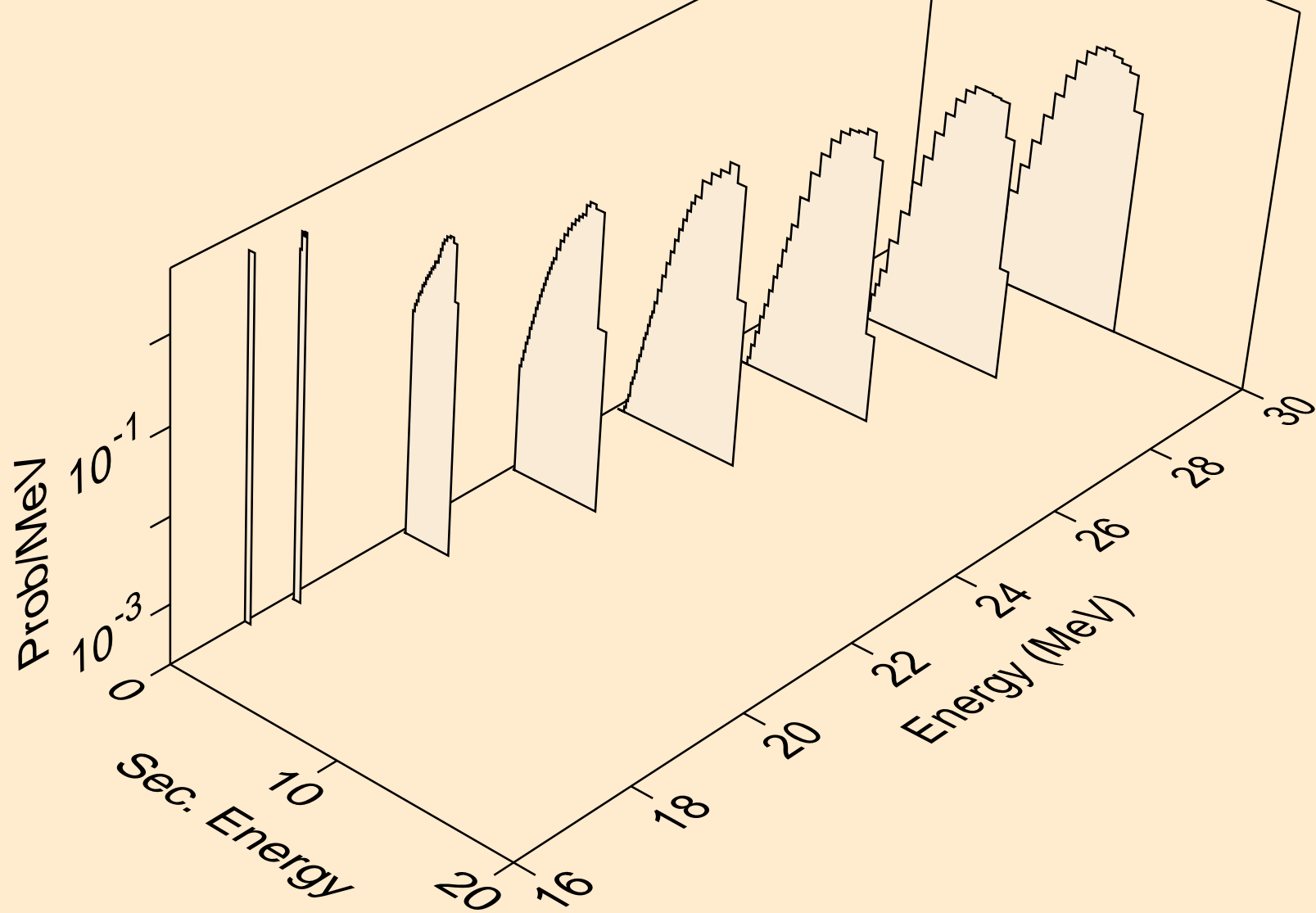
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protons from (s,pt)



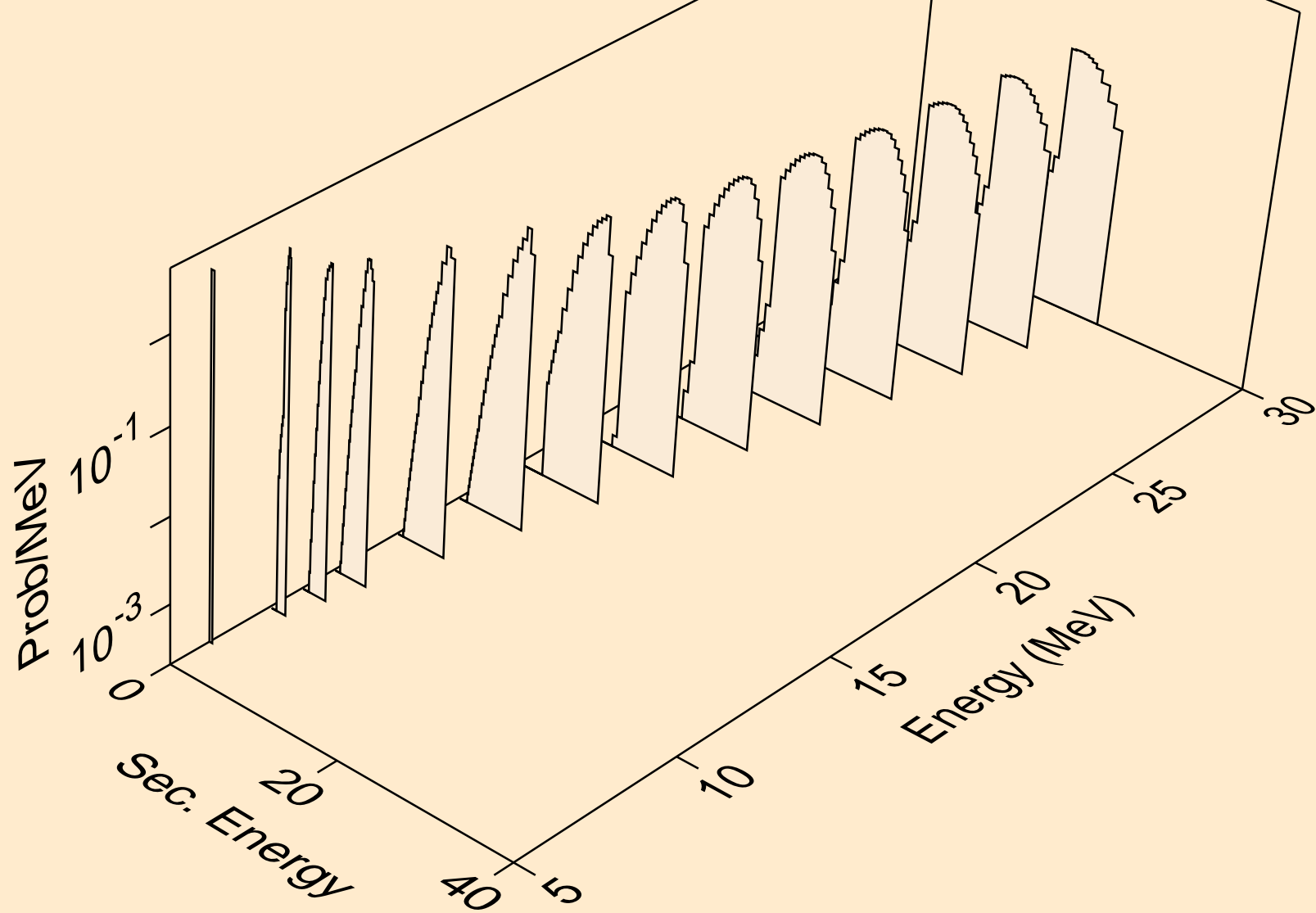
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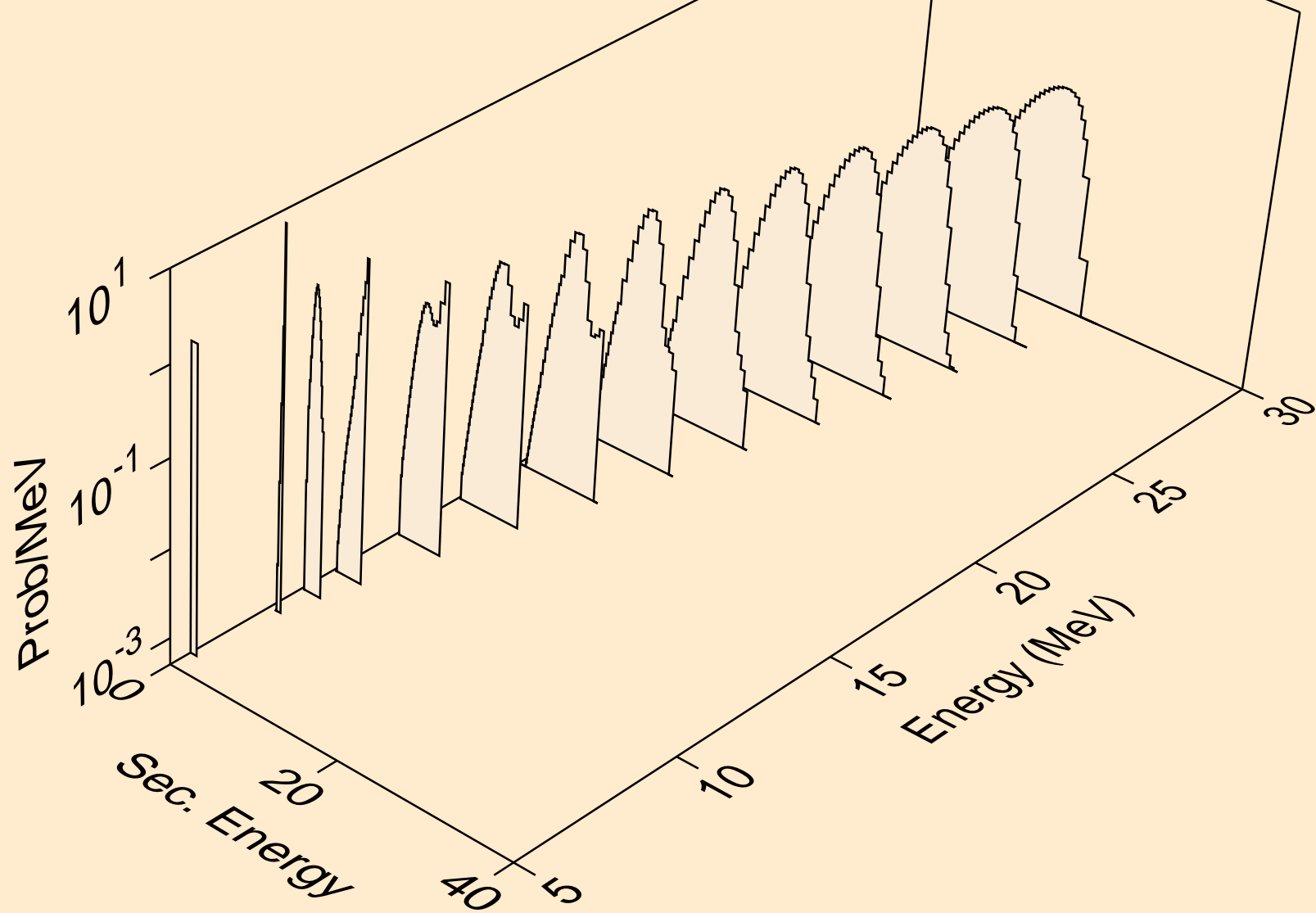
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d



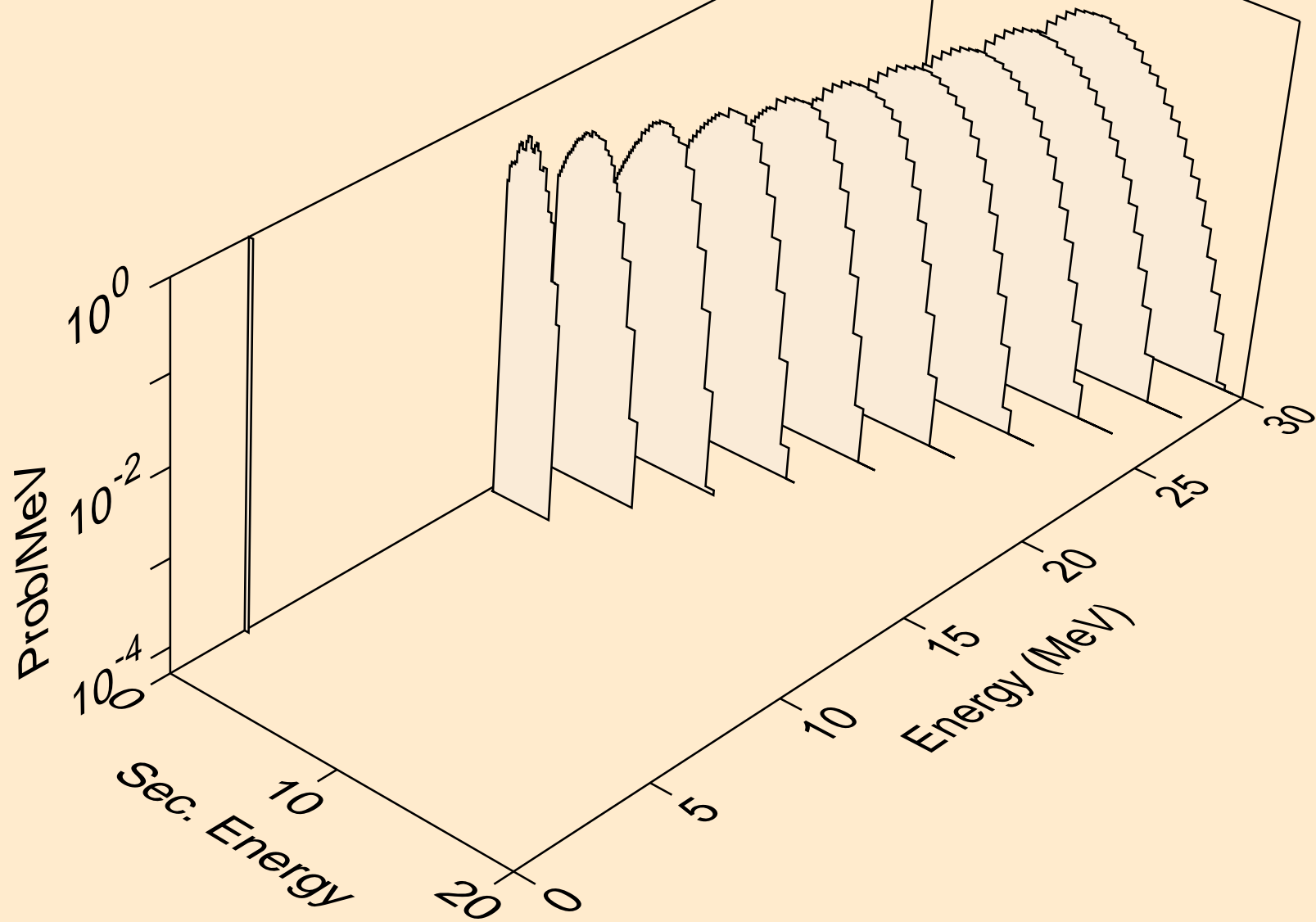
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d)



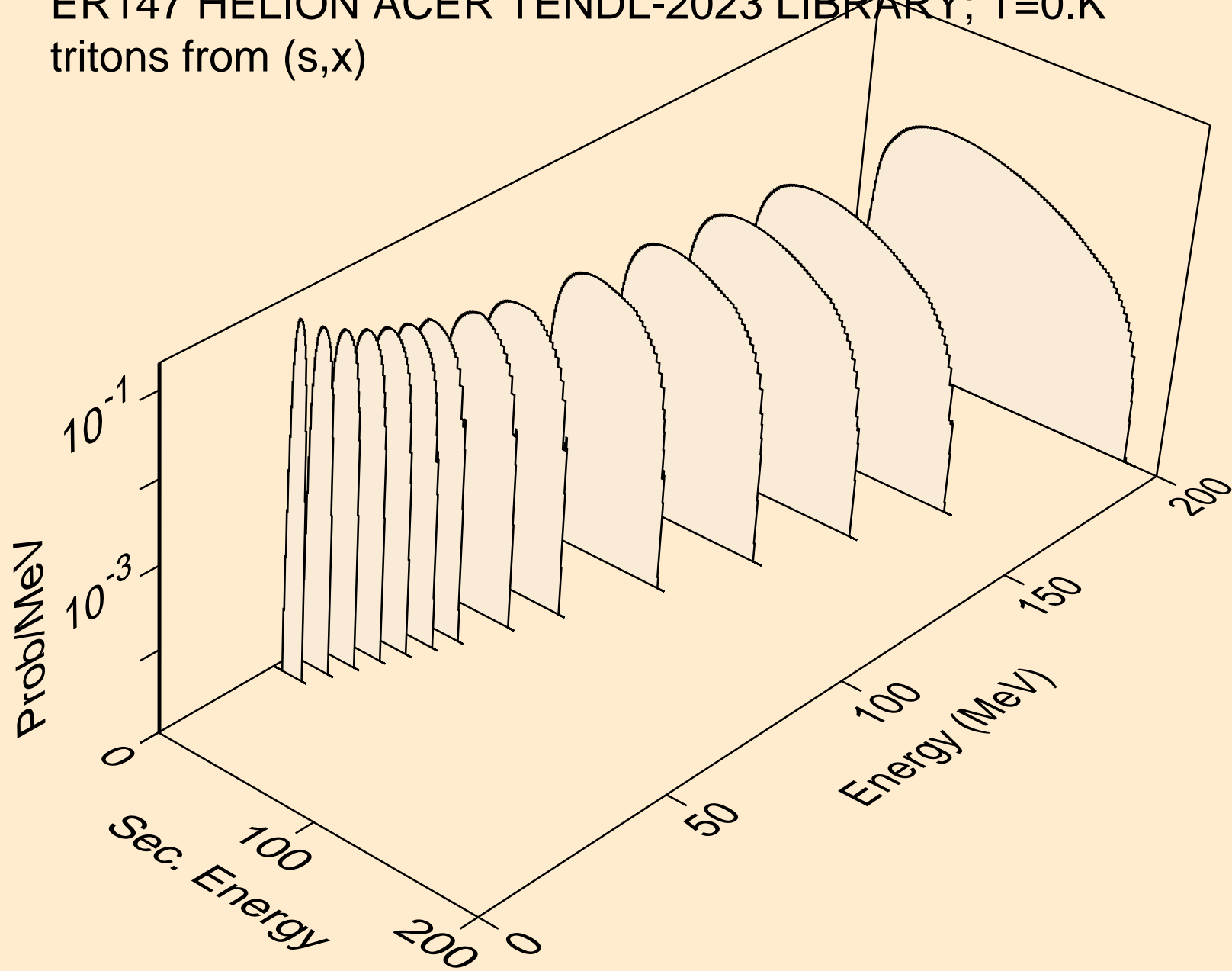
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,pd)



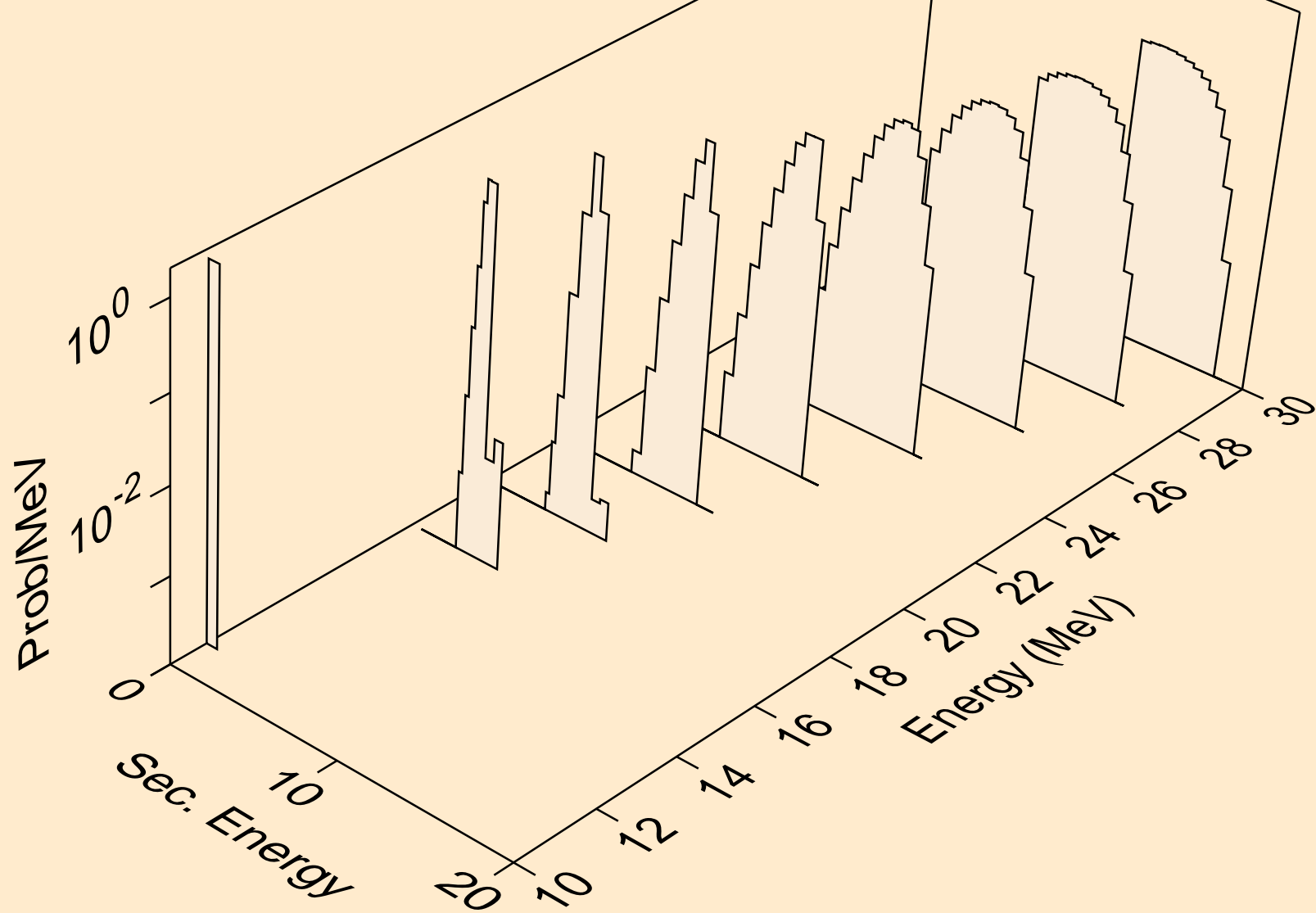
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,da)



ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)

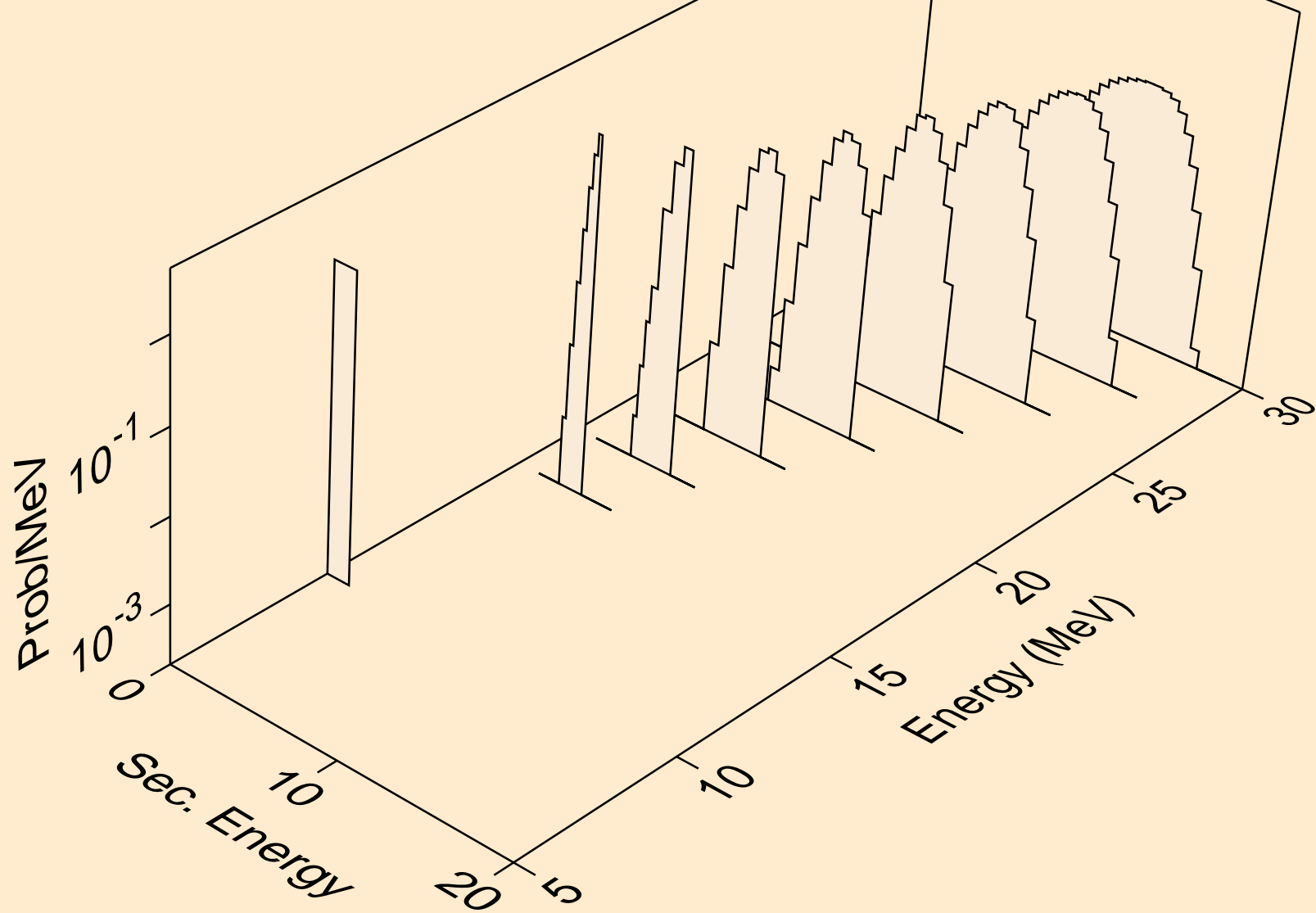


ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t)

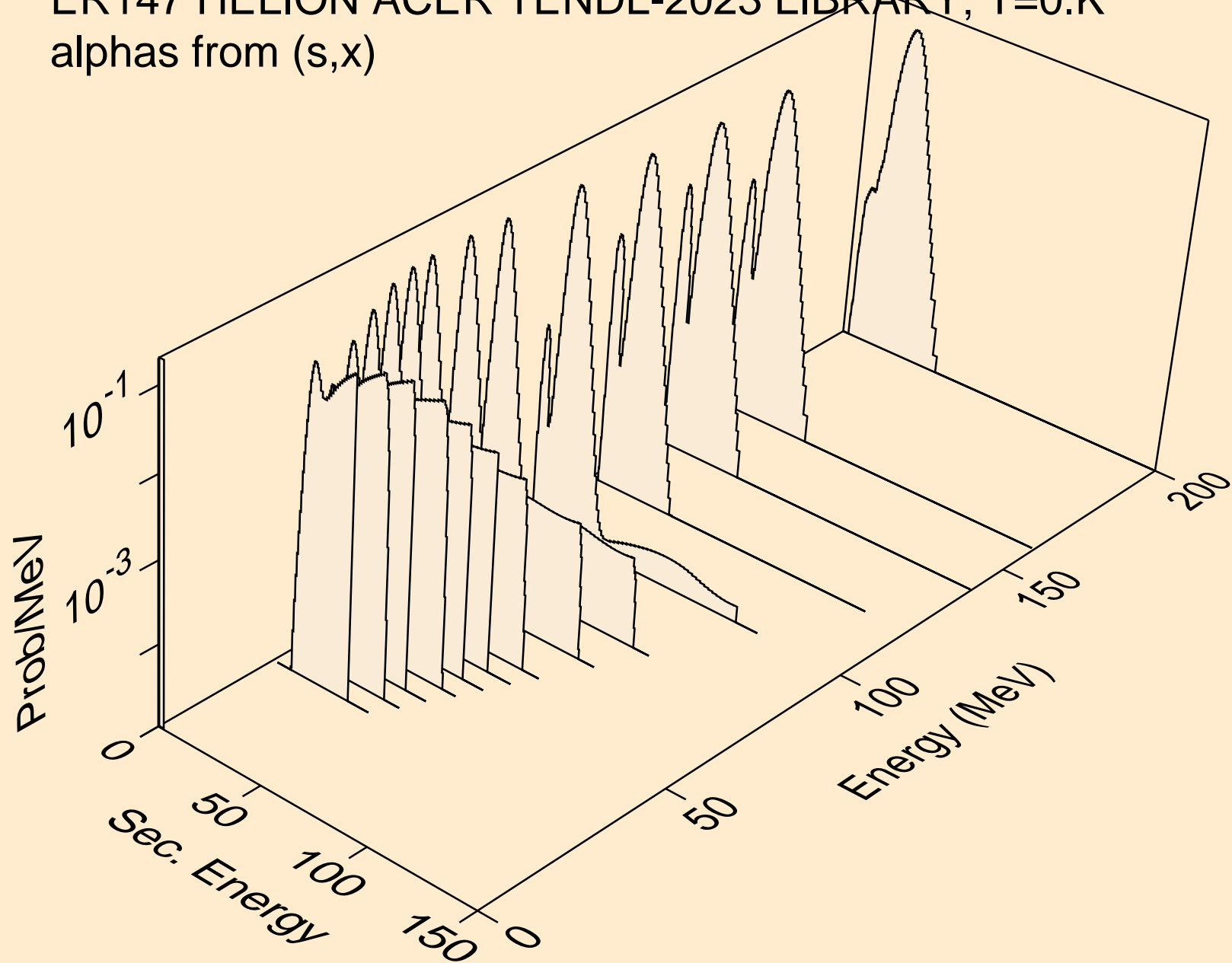




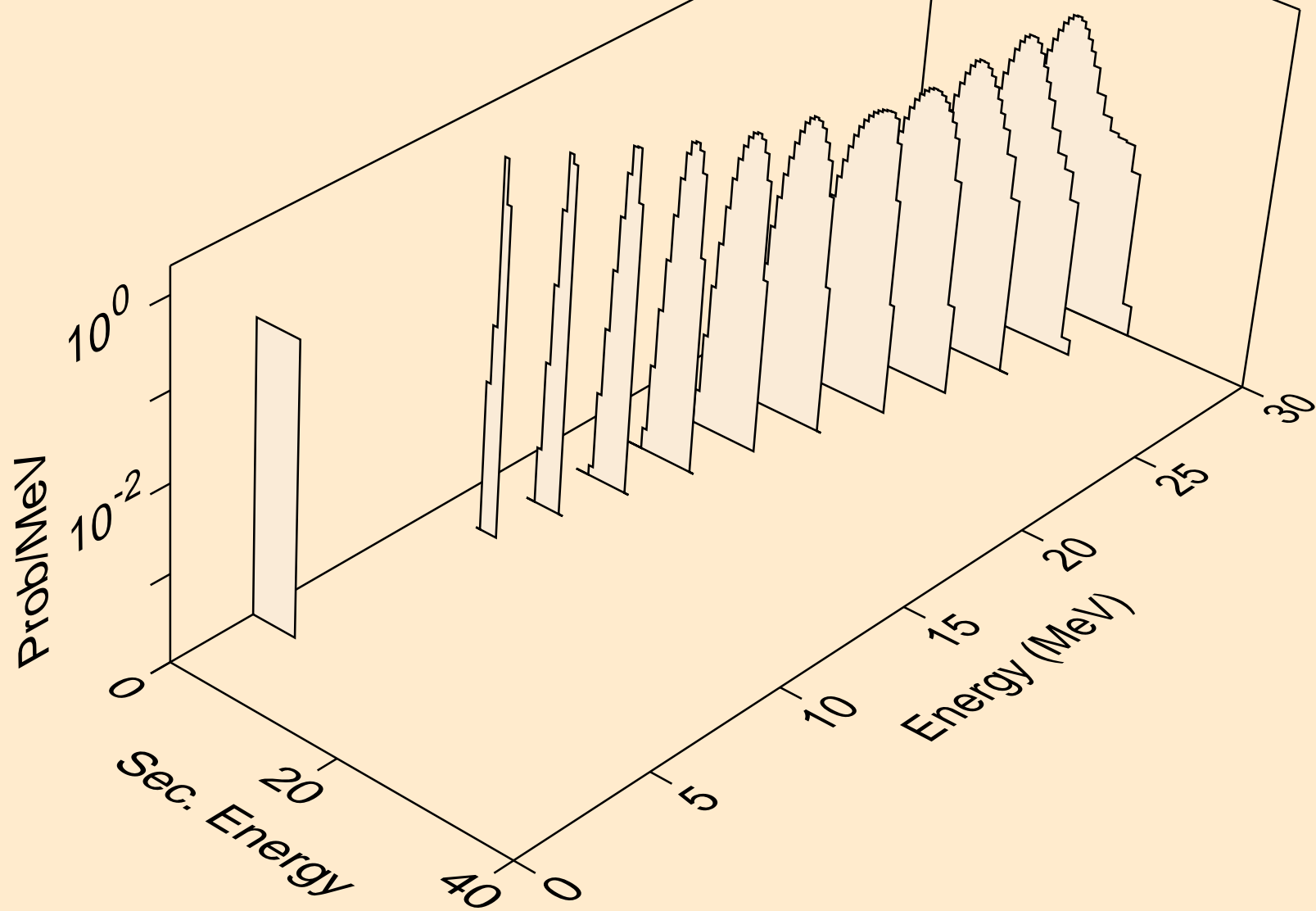
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tritons from (s,pt)



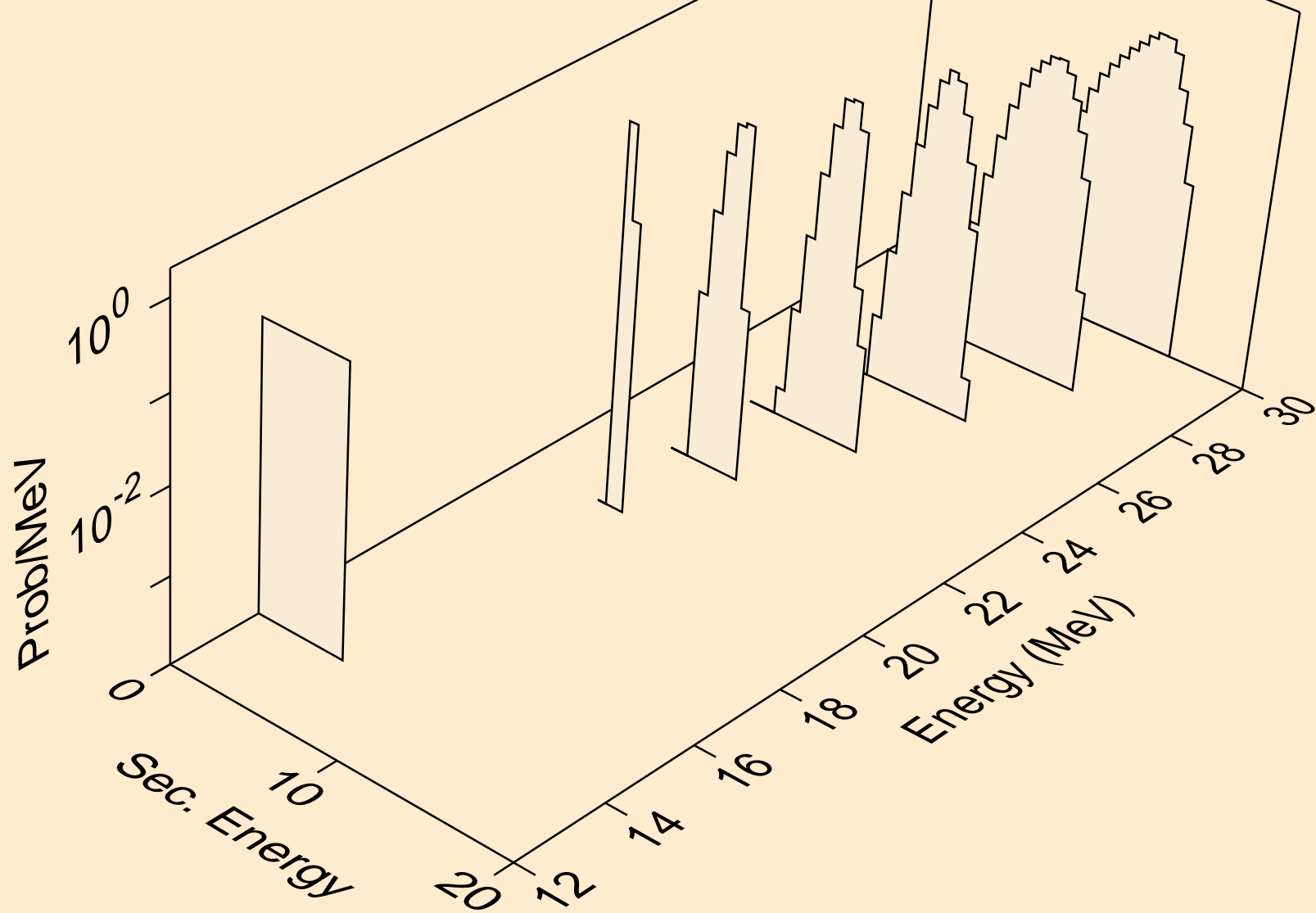
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



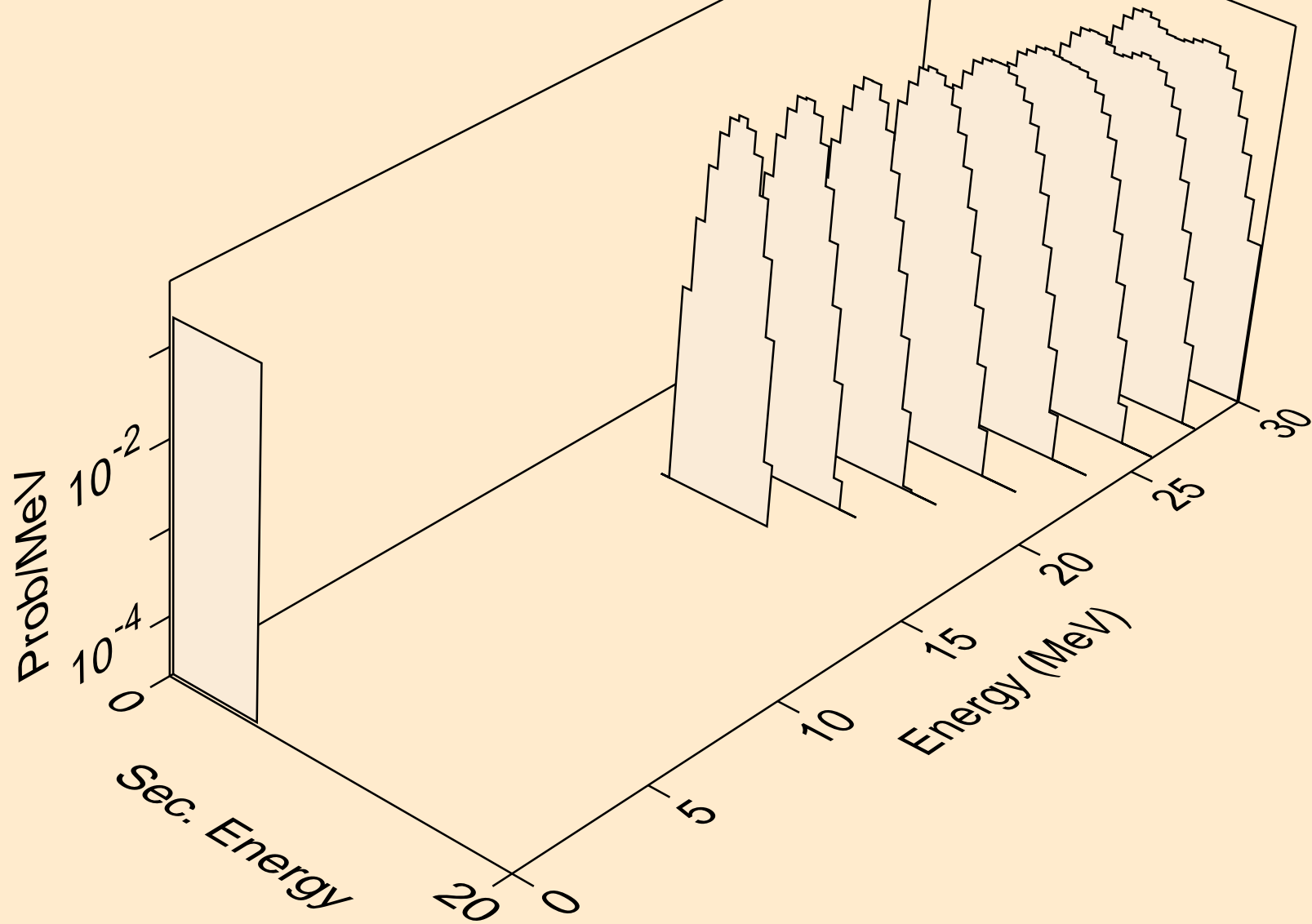
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



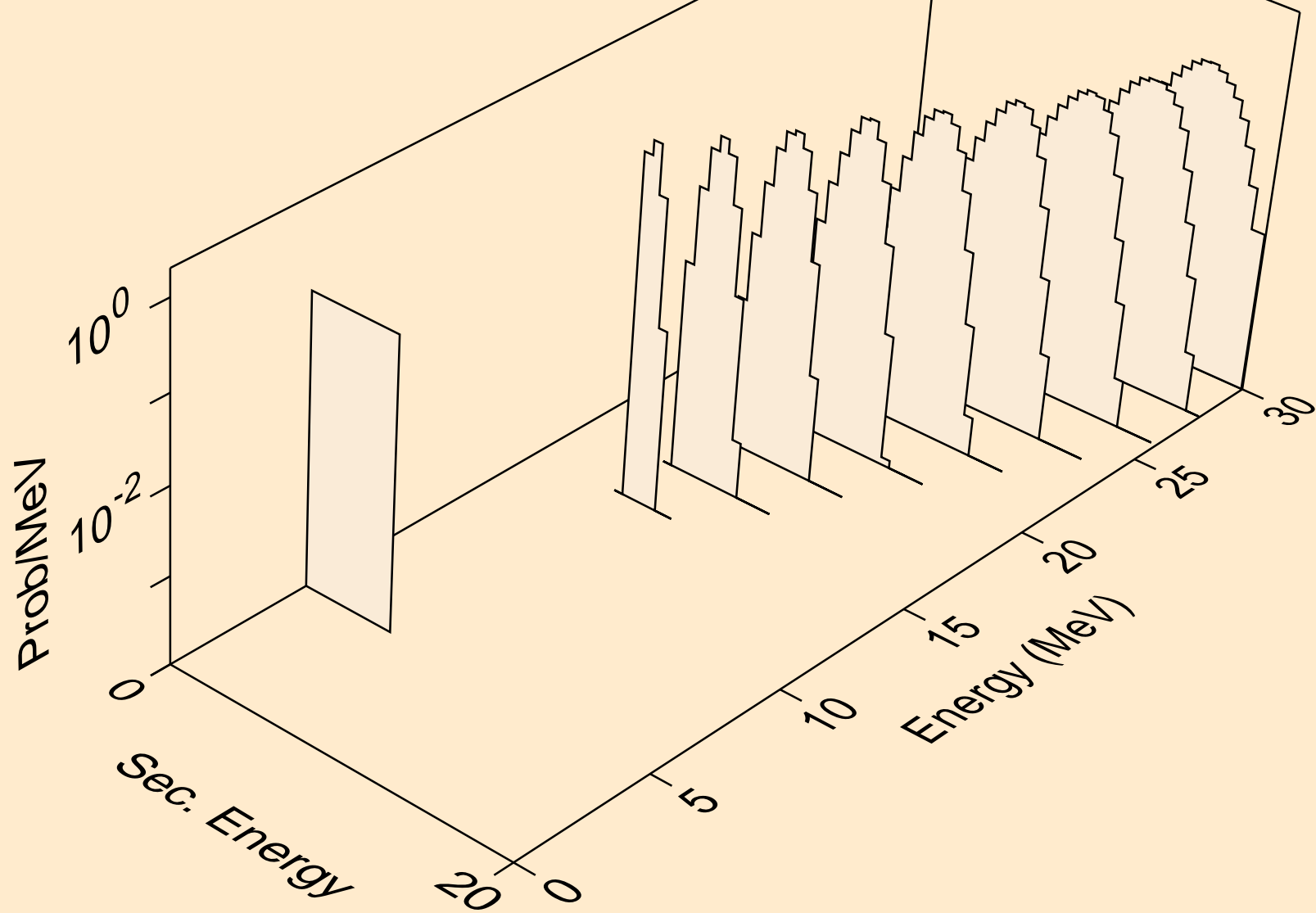
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



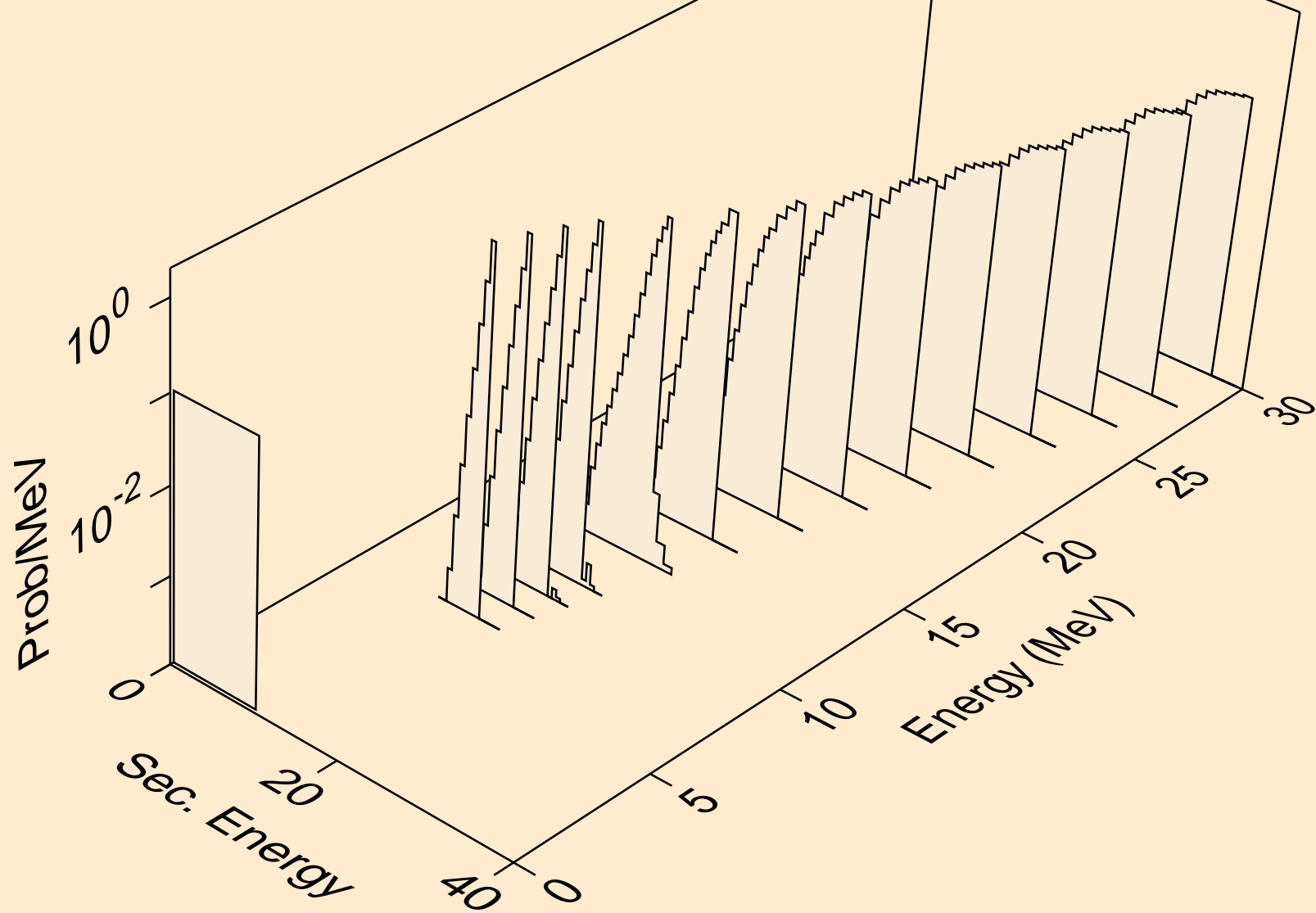
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a



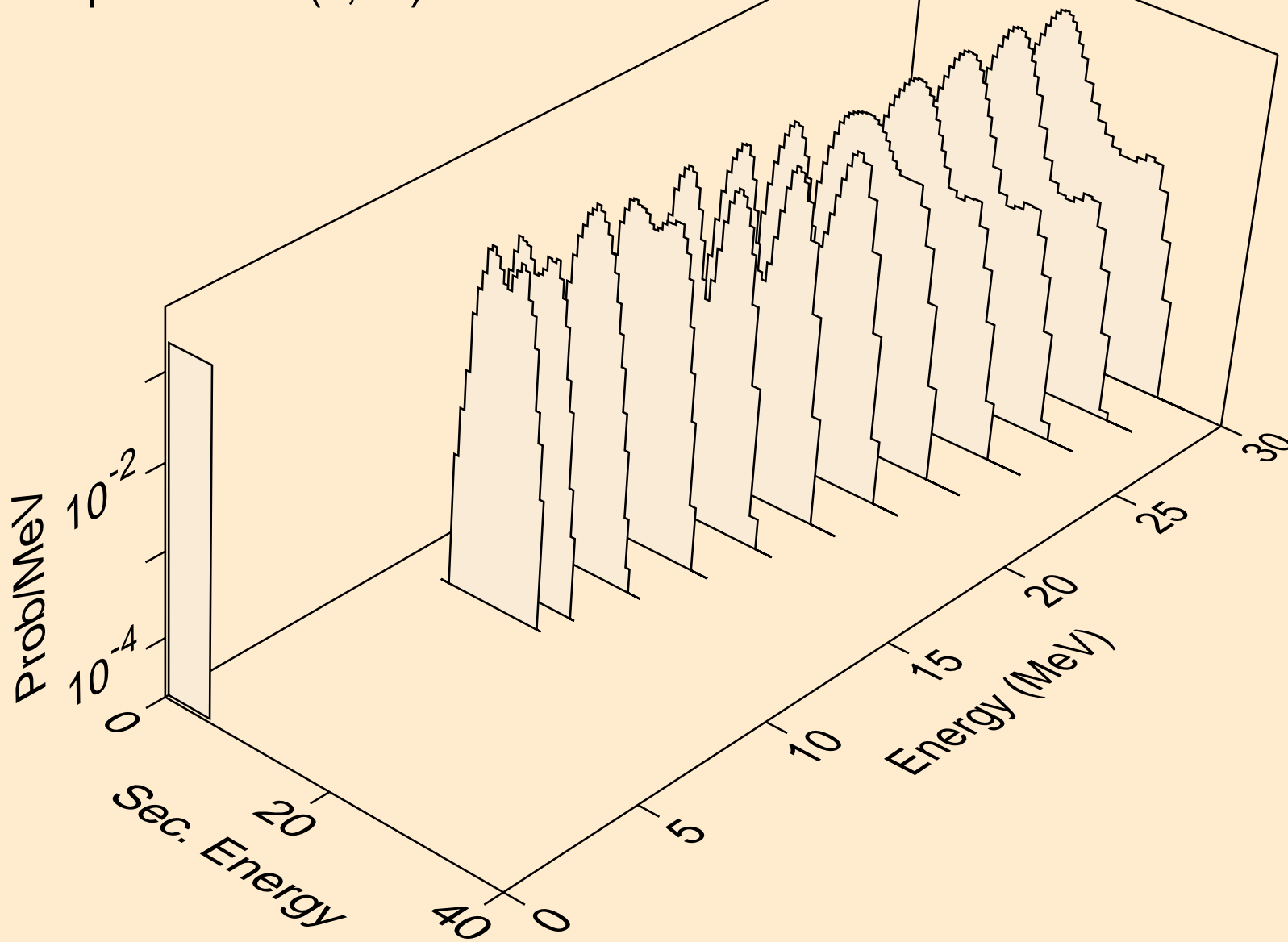
ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)



ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)

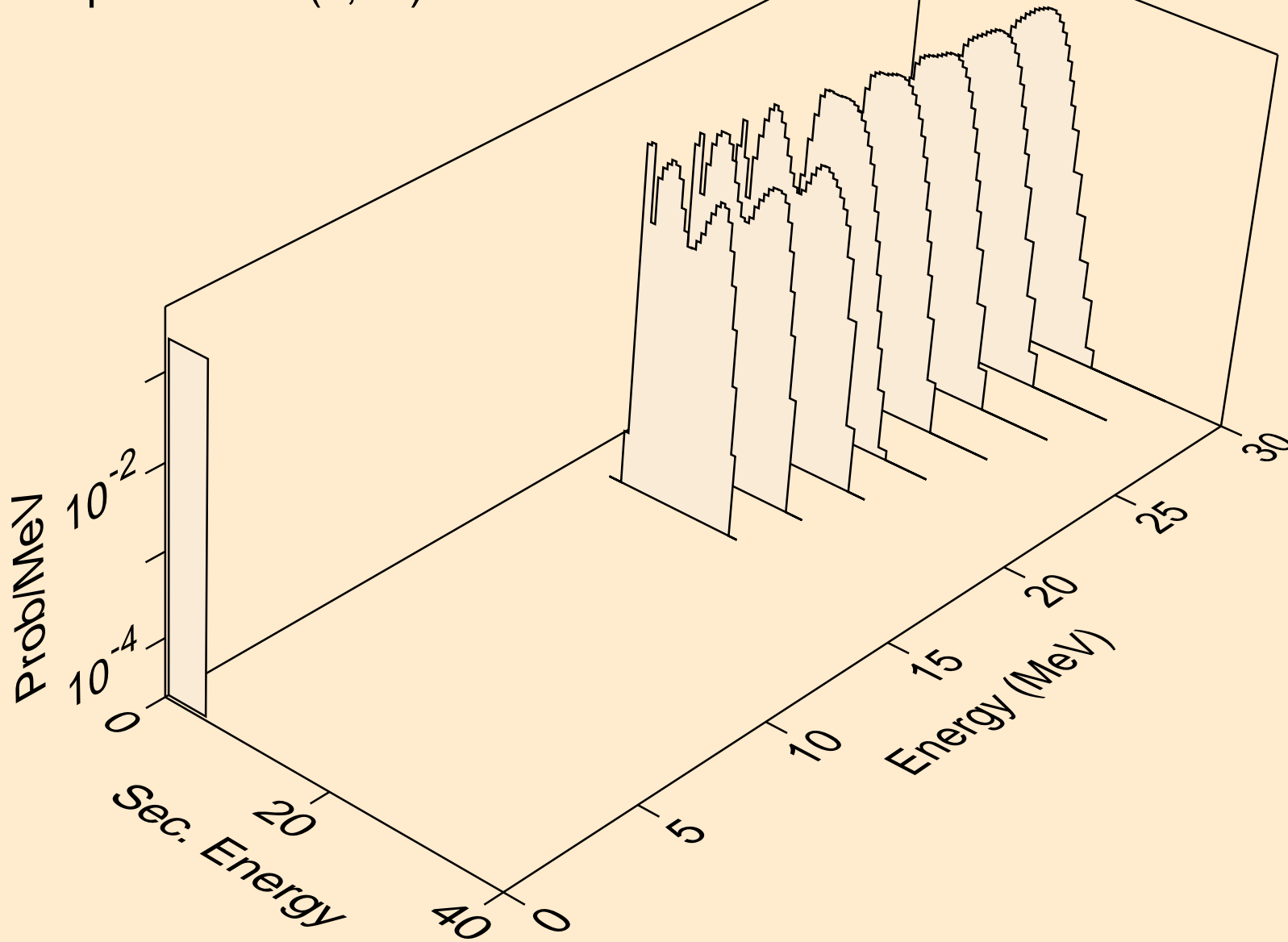


ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)

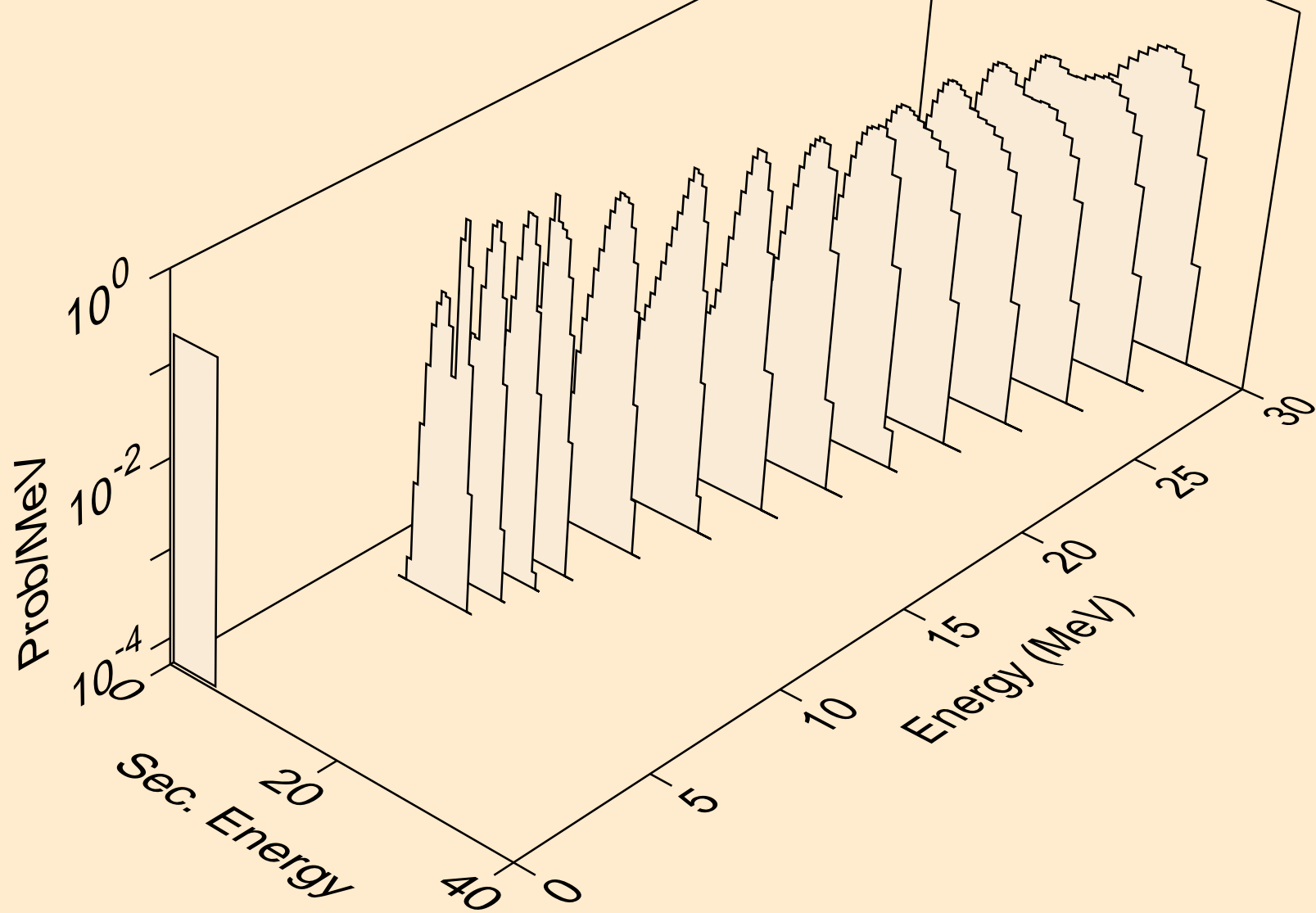




ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3a)



ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



ER147 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

